


**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> Lamb #12-20-3-1				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> WILDCAT				
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>				
<b>6. NAME OF OPERATOR</b> NEWFIELD PRODUCTION COMPANY						<b>7. OPERATOR PHONE</b> 435 646-4825				
<b>8. ADDRESS OF OPERATOR</b> Rt 3 Box 3630 , Myton, UT, 84052						<b>9. OPERATOR E-MAIL</b> mcrozier@newfield.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> Patented			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Karl L. Lamb						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 435-823-6626				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> P.O. Box 332, Myton, UT 84052						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>		
LOCATION AT SURFACE		1689 FSL 480 FWL		NWSW	20	3.0 S	1.0 W	U		
Top of Uppermost Producing Zone		1689 FSL 480 FWL		NWSW	20	3.0 S	1.0 W	U		
At Total Depth		1689 FSL 480 FWL		NWSW	20	3.0 S	1.0 W	U		
<b>21. COUNTY</b> DUCHESNE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 480			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 0			<b>26. PROPOSED DEPTH</b> MD: 10250 TVD: 10250				
<b>27. ELEVATION - GROUND LEVEL</b> 5037			<b>28. BOND NUMBER</b> B001834			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 437478				
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Cond	17.5	13.375	0 - 60	48.0	H-40 ST&C	0.0	Class G	41	1.17	15.8
Surf	12.25	9.625	0 - 2500	36.0	J-55 ST&C	0.0	Premium Lite High Strength	204	3.53	11.0
							Class G	154	1.17	15.8
Prod	6	5.5	0 - 10250	20.0	P-110 LT&C	10.0	Premium Lite High Strength	432	3.53	11.0
							50/50 Poz	586	1.24	14.3
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Don Hamilton				<b>TITLE</b> Permitting Agent				<b>PHONE</b> 435 719-2018		
<b>SIGNATURE</b>				<b>DATE</b> 06/22/2011				<b>EMAIL</b> starpoint@etv.net		
<b>API NUMBER ASSIGNED</b> 43013508580000				<b>APPROVAL</b>  Permit Manager						

RECEIVED: August 17, 2011

**Newfield Production Company**  
**Lamb #12-20-3-1**  
**NW/SW Section 20, T3S, R1W**  
**Duchesne County, UT**

**Drilling Program**

**1. Formation Tops**

Uinta	surface
Green River	3,075'
Wasatch	8,260'
TD	10,250'

**2. Depth to Oil, Gas, Water, or Minerals**

Green River	7,760' - 8,260'
Wasatch	8,260' - TD

Fresh water may be encountered in the Uinta Formation, but is not expected below about 500'.

**3. Pressure Control**

Section                      BOP Description

Surface                      12-1/4" diverter

Production                The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 5M system.

A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 5,000 psi will be used.

**4. Casing**

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom							Burst	Collapse	Tension
Conductor 13 3/8	0'	60'	48	H-40	STC	--	--	--	1,730	770	322,000
									--	--	--
Surface 9 5/8	0'	2,500'	36	J-55	STC	8.33	8.33	12	3,520	2,020	394,000
									2.51	2.54	4.38
Production 5 1/2	0'	10,250'	20	P-110	LTC	9.5	10	--	12,640	11,080	548,000
									3.13	2.57	2.67

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)

Production casing MASP = (reservoir pressure) - (gas gradient)

All collapse calculations assume fully evacuated casing with a gas gradient

All tension calculations assume air weight of casing

Gas gradient = 0.1 psi/ft

All casing shall be new.

All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

## 5. Cement

Job	Hole Size	Fill	Slurry Description	ft <sup>3</sup>	OH excess	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
				sacks			
Conductor	17 1/2	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	48	15%	15.8	1.17
				41			
Surface Lead	12 1/4	2,000'	Premium Lite II w/ 3% KCl + 10% bentonite	720	15%	11.0	3.53
				204			
Surface Tail	12 1/4	500'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	180	15%	15.8	1.17
				154			
Production Lead	8 3/4	5,250'	Premium Lite II w/ 3% KCl + 10% bentonite	1525	15%	11.0	3.53
				432			
Production Tail	8 3/4	2,500'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	726	15%	14.3	1.24
				586			

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the production casing string will be calculated from an open hole caliper log, plus 15% excess.

## 6. Type and Characteristics of Proposed Circulating Medium

<u>Interval</u>	<u>Description</u>
Surface - 2,500'	An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.
2,500' - TD	A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite. Anticipated maximum mud weight is 10.0 ppg.

## 7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the

surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A cement bond log will be run from PBTD to the cement top behind the production casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

**8. Anticipated Abnormal Pressure or Temperature**

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.49 psi/ft gradient.

$$10,250' \times 0.49 \text{ psi/ft} = 5064 \text{ psi}$$

No abnormal temperature is expected. No H<sub>2</sub>S is expected.

**9. Other Aspects**

This is planned as a vertical well.

CONFIDENTIAL

**T3S, R1W, U.S.B.&M.****NEWFIELD EXPLORATION COMPANY**

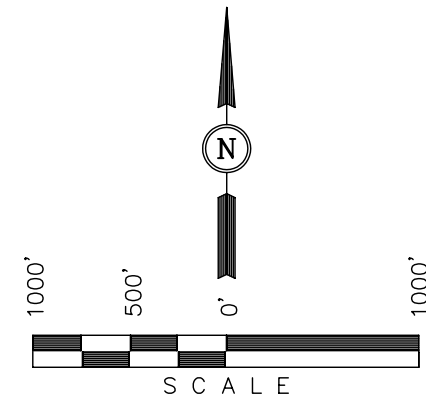
Well location, LAMB #12-20-3-1, located as shown in the NW 1/4 SW 1/4 of Section 20, T3S, R1W, U.S.B.&M., Duchesne County, Utah.

**BASIS OF ELEVATION**

SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 20, T3S, R2W, U.S.B.&M. TAKEN FROM THE MYTON, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5148 FEET.

**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT L. KAY  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

REV.: 06-13-11 J.I.

**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 06-06-11	DATE DRAWN: 06-09-11
PARTY G.O. C.A. J.I.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE NEWFIELD EXPLORATION COMPANY	

EAST - 5280.00' (G.L.O.)

1/2" Rebar,  
In Gravel Road

N00°20'04"W - 2639.63' (Meas.)

Spike, In  
Gravel Road

N00°17'54"W - 2636.26' (Meas.)

Legal  
Window

480'

**LAMB #12-20-3-1**

Elev. Ungraded Ground = 5037'

1689'

1982 Alum.  
Cap, 1.0' High

N89°39'28"E - 2608.65' (Meas.)

Alum. Cap

N89°53'W - 2661.12' (G.L.O.)

NORTH - 5303.76' (G.L.O.)

**LEGEND:**

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)  
LATITUDE = 40°12'19.27" (40.205353)  
LONGITUDE = 110°01'39.86" (110.027739)  
(NAD 27)  
LATITUDE = 40°12'19.41" (40.205392)  
LONGITUDE = 110°01'37.32" (110.027033)

**RECEIVED: June 22, 2011**

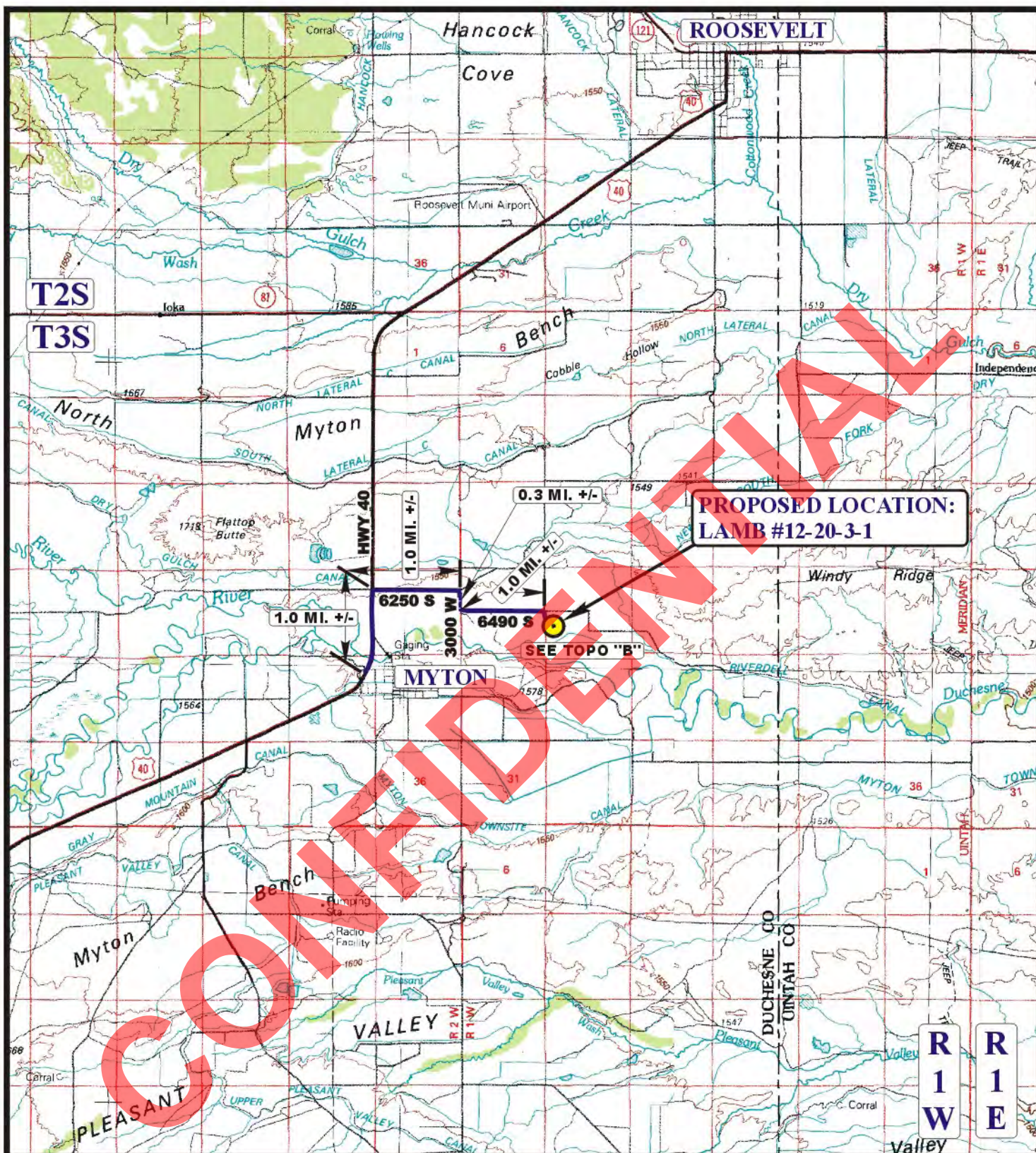
NEWFIELD EXPLORATION COMPANY  
LAMB #12-20-3-1  
SECTION 20, T3S, R1W, U.S.B.&M.

PROCEED IN A NORTHEASTERLY, THEN NORTHERLY DIRECTION FROM MYTON, UTAH ALONG HIGHWAY 40 APPROXIMATELY 1.0 MILES TO THE JUNCTION OF HIGHWAY 40 AND 6250 SOUTH TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE JUNCTION OF 6250 SOUTH AND 3000 WEST TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF 3000 WEST AND 6490 SOUTH TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE EAST; FOLLOW ROAD FLAGS IN A EASTERLY DIRECTION APPROXIMATELY 323' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED LOCATION IS APPROXIMATELY 3.5 MILES.

CONFIDENTIAL





**LEGEND:**

 PROPOSED LOCATION

**NEWFIELD EXPLORATION COMPANY**

**LAMB #12-20-3-1**

**SECTION 20, T3S, R1W, U.S.B.&M.**

**1689' FSL 480' FWL**



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



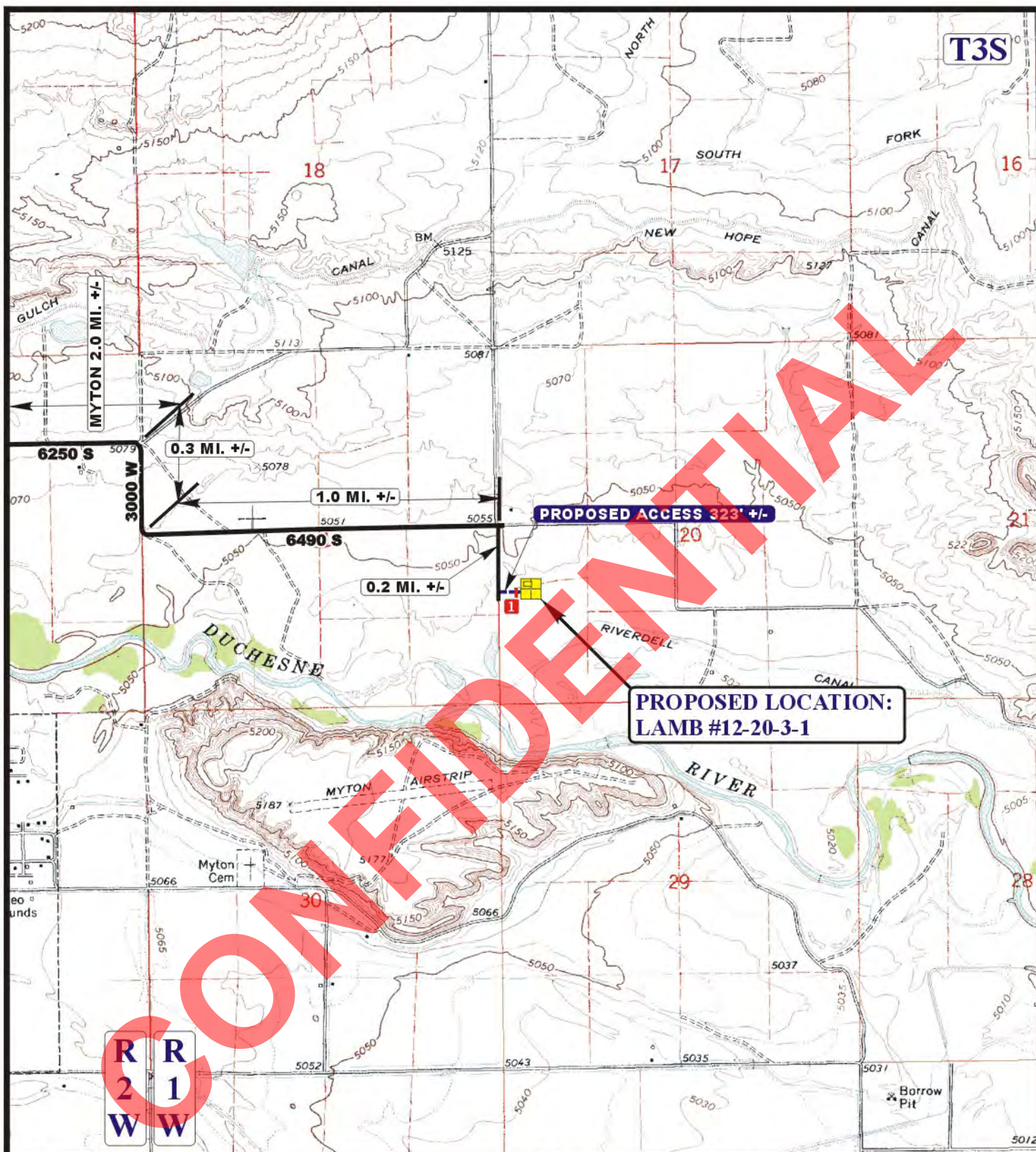
**TOPOGRAPHIC  
MAP**

**06 07 10**  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: J.H. REV: 06-10-11 Z.L.







**LEGEND:**

- EXISTING ROAD
- - - - PROPOSED ACCESS ROAD
- 18" CMP REQUIRED

**NEWFIELD EXPLORATION COMPANY**

**LAMB #12-20-3-1**  
**SECTION 20, T3S, R1W, U.S.B.&M.**  
**1689' FSL 480' FWL**



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 85 South 200 East Vernal, Utah 84078  
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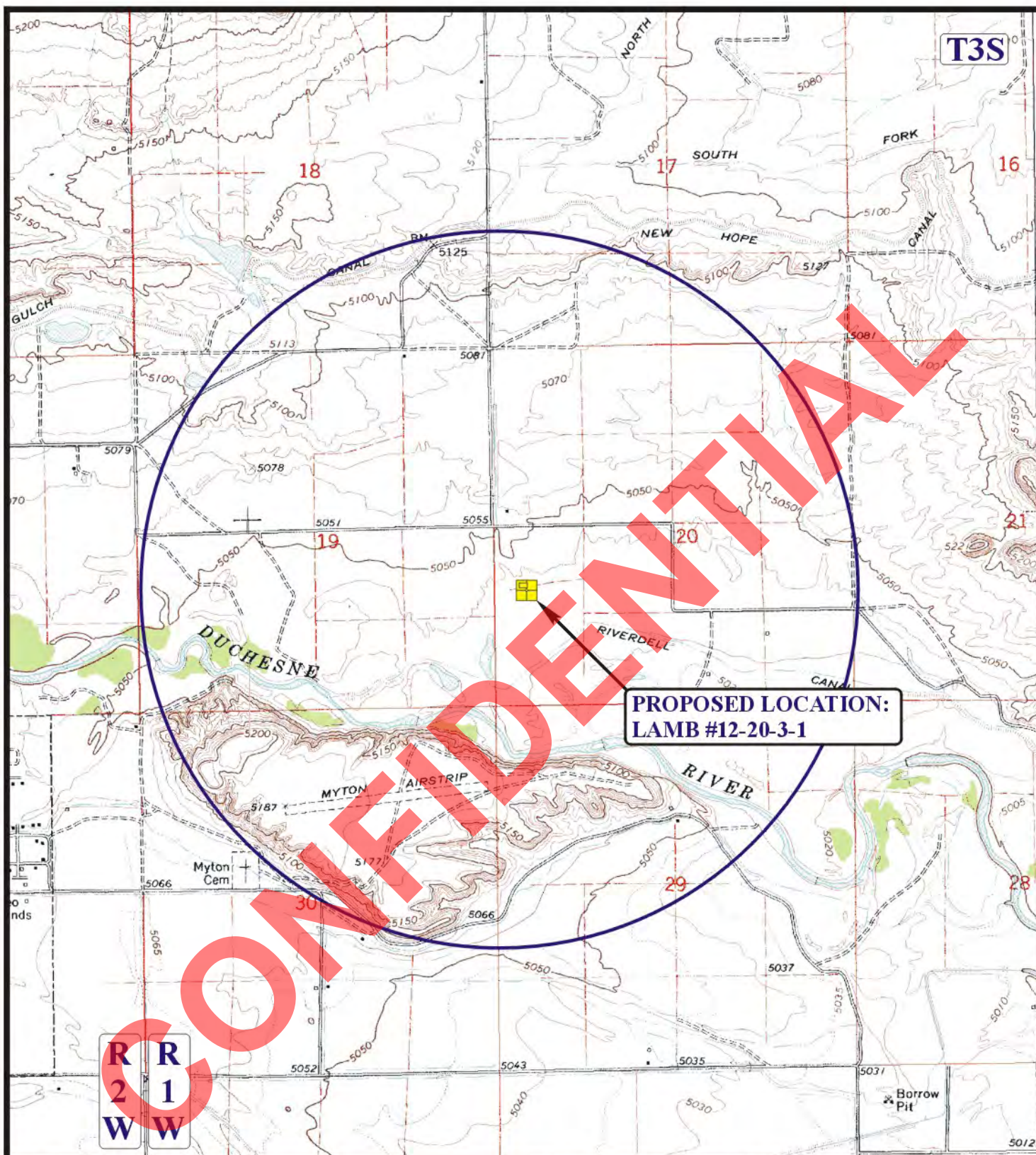
**TOPOGRAPHIC**  
**MAP**

**06** **07** **10**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.H. REV: 06-10-11 Z.L.

**B**  
**TOPO**





# LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

# NEWFIELD EXPLORATION COMPANY

LAMB #12-20-3-1  
SECTION 20, T3S, R1W, U.S.B.&M.  
1689' FSL 480' FWL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



TOPOGRAPHIC  
MAP

06 07 10  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.H. REV: 06-10-11 Z.L.





## MEMORANDUM OF SURFACE DAMAGE RELEASE

State of Utah                    )  
   )  
 County of Duchesne        )

For Ten Dollars (\$10.00) and other adequate consideration, **Karl L. Lamb, Successor Trustee of The Rex and LaRue Lamb Revocable Trust dated May 17, 1993 as restated and amended June 12, 1996**, whose address is **P.O. Box 332, Myton, Utah 84052**, hereafter referred to as "Surface Owner" has granted, a Surface Damage Release, to **Harvest (US) Holdings, Inc. of 1177 Enclave Parkway, Suite 300, Houston, Texas 77077**, hereafter referred to as "Harvest", dated this 21 day of October, 2010, for the purpose of drilling, and producing oil, gas, and other minerals, laying pipelines, building roads, tanks, power stations, telephone lines and other structures, and producing, saving, take care of, treating, transporting, and owning oil, gas, and other minerals, all on or from **Lamb 1-20-3-2 Well** on the following lands (the "Lands") in Duchesne County Utah: **Township 3 South-Range 2 West, USM, Section 20: NW/4SW/4**, Duchesne County, see attached Plat for well location:

The Surface Damage Release is effective as long thereafter as oil, gas, or other minerals are produced from the Lands, or other lands pooled with the Lands, according to and by the terms and provisions of the Lease(s) covering said Lands. This Memorandum is placed of record for the purpose of giving notice of the Surface Damage Release.

This instrument may be executed in multiple counterparts with each counterpart being considered an original for all purposes herein and binding upon the party executing same whether or not this instrument is executed by all parties hereto, and the signature and acknowledgment pages of the various counterparts hereto may be combined into one instrument for the purposes of recording this instrument in the records of the County Recorder's office.

Executed this 21 day of October, 2010.

SURFACE OWNER:

Karl L. Lamb  
**Karl L. Lamb, Successor Trustee**  
**of The Rex and LaRue Lamb Revocable Trust dated May 17, 1993**  
**as restated and amended June 12, 1996.**

## ACKNOWLEDGEMENT

STATE OF UTAH                    }  
   }:SS  
 COUNTY OF DUCHESNE        }

BEFORE me, the undersigned, a Notary Public in and fore said County and State, on this 21<sup>st</sup> day of October, 2010, personally appeared **Karl L. Lamb, Successor Trustee of the Rex and LaRue Lamb Revocable Trust dated May 17, 1993 as restated and amended June 12, 1996**, known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.

J. Cameron Moos  
 Notary Public



## ROAD RIGHT-OF-WAY AGREEMENT

STATE OF UTAH }  
COUNTY OF DUCHESNE } :SS

FOR AND IN CONSIDERATION OF TEN & 00/100ths DOLLARS (\$10.00) and other good and valuable consideration, in hand paid to **Karl L. Lamb, Successor Trustee of The Rex and LaRue Lamb revocable Trust** date may 17, 1993 as restated and amended June 12, 1996, whose address is P.O. Box 332, Myton, UT 84052,

(“GRANTOR”), the receipt and sufficiency of which is hereby acknowledge, does hereby grant to **Harvest (US) Holdings, Inc. of 1177 Enclave Parkway, Suite 300, Houston, Texas 77077**, its successors or assigns, a right-of-way to construct, maintain and use a road for the purpose of drilling, operating and maintaining a well or wells for the production of the oil and/or gas, and for the transportation of oil, gas, produced water, or other substances therein, under, on, over and through the premises hereinafter described, and the Grantee is granted the right of ingress and egress, over and across said road and lands for any purpose necessary or incidental to the drilling, operating and maintaining a well or wells owned by Grantee.

The said right-of-way shall be located over and across the following described lands owned by the Grantor in Duchesne County, State of Utah, to-wit:

Township 3 South-Range 2 West, USM, Section 20: NW/4SW/4, Duchesne County, see attached Plat(s) for the described right-of-way location:

To have and to hold said easements, rights, and right-of-way unto the said Grantee, its successors and assigns.

Grantor shall not place anything over or so close to any road, or other facility of Grantee as will be likely to interfere with Grantee's access thereto by use of equipment of means customarily employed in the maintenance of the road. Grantee to pay for all damage to growing crops, drainage tile and fences of Grantor arising out of the construction or repair of any of the roads, and facilities herein authorized to be maintained and operated by Grantee. This easement shall not exceed Sixty-Six (66') feet in width for construction and for the permanent easement. Disturbed ground not in the permanent road easement to be reseeded at recommended seeding rates per Surface Owner once cleanup is completed.

The foregoing sets out the entire agreement between Grantor and Grantee, and supersedes any prior oral or written agreements or negotiations not set out in writing herein or in the oil and gas lease covering the above described lands. No provisions of this agreement shall be modified, altered or waived except by written amendment executed by the parties or their representatives as set forth below.

For the same consideration, the undersigned agree to account to any party who may be entitled to any portion of the aforementioned sum, and to indemnify and hold harmless **Harvest (US) Holdings, Inc.**, its successors and assigns, from any claim by any other party for damages to the above described lands and the improvements and crops and other things situated thereon.

~~Grantor shall be held harmless from any claim or demand made on the grounds of damage to property or injury to or death of persons, arising out of Grantee's exercise of the rights herein granted.~~

This agreement shall terminate within six (6) months after cessation of use by Grantee, at which time Grantee agrees to restore the surface of said land as nearly as is reasonably practical to its original condition.

This agreement shall be binding upon the successors and assigns of the parties hereto and shall be deemed to be a covenant running with the lands described above.

IN WITNESS WHEREOF, the GRANTOR and GRANTEE herein named have hereunto set their hand and seal this 21 day of October, 2010.

Karl L. Lamb  
Karl L. Lamb, Successor Trustee  
of The Rex and LaRue Lamb Revocable Trust dated May 17, 1993  
as restated and amended June 12, 1996.

## ACKNOWLEDGEMENT

STATE OF UTAH }  
COUNTY OF DUCHENSE } :SS

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 21<sup>st</sup> day of October, 2010, personally appeared Karl L. Lamb, Successor Trustee of the Rex and LaRue Lamb Revocable Trust dated May 17, 1993 as restated and amended June 12, 1996, me known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth. Given under my hand and seal the day and year last above written.

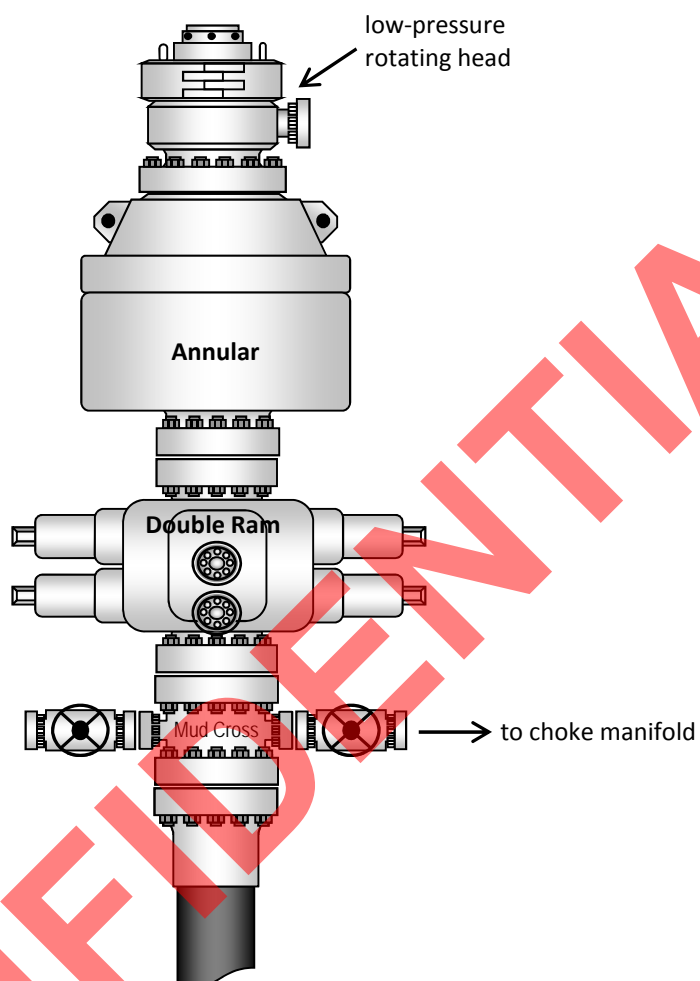


J. Cameron Noos

Notary Public



### Typical 5M BOP stack configuration





June 20, 2011

State of Utah, Division of Oil, Gas & Mining  
ATTN: Diana Mason  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Exception Location  
**Lamb 12-20-3-1**  
Township 3 South, Range 1 West  
Section 20: NWSW  
1689' FSL 480' FWL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company hereby requests an exception location for the drilling of the captioned well. Rule R649-3-3 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 91' South of the drilling window tolerance for the NWSW of 3S 1W Section 20. The proposed location has been selected to accommodate the surface owner.

Please note, Newfield Production Company is the owner of 100% of the leasehold interest in all lands within 460' of the proposed location.

If you have any questions or need further information, please do not hesitate to contact me at 303-382-4444 or by email at [reveland@newfield.com](mailto:reveland@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in blue ink that reads "Roxann Eveland".

Roxann Eveland  
Landman

## NEWFIELD EXPLORATION COMPANY

## LOCATION LAYOUT FOR

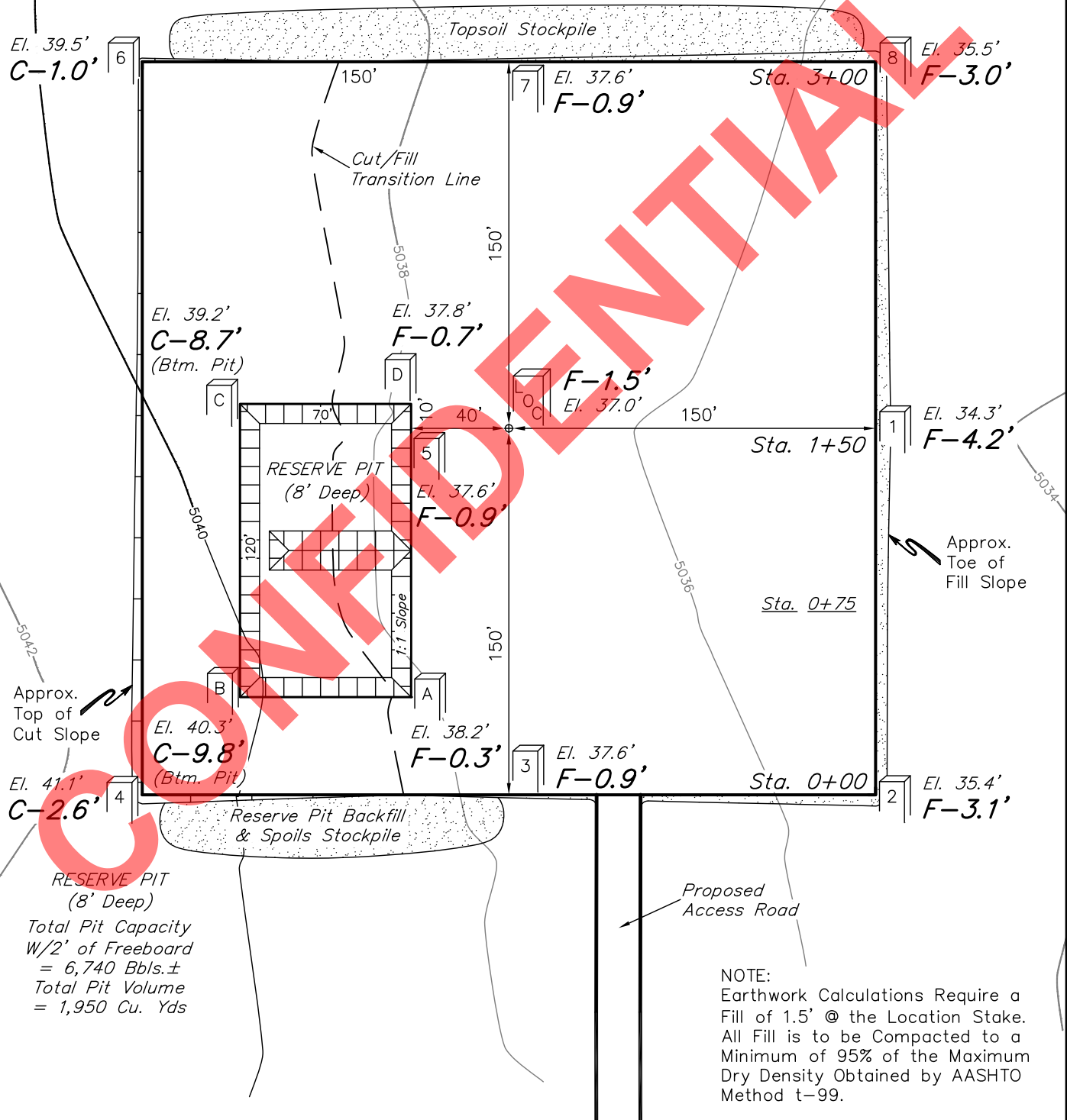
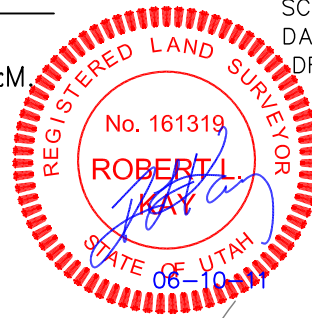
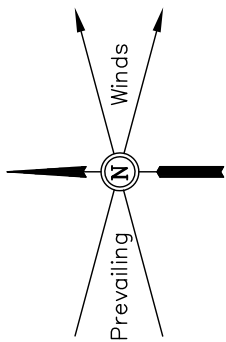
LAMB #12-20-3-1  
SECTION 20, T3S, R1W, U.S.B.&M  
1689' FSL 480' FWL

FIGURE #1

SCALE: 1" = 60'

DATE: 06-09-11

DRAWN BY: J.I.



Elev. Ungraded Ground At Loc. Stake = 5037.0'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5038.5'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

RECEIVED: June 22, 2011



## NEWFIELD EXPLORATION COMPANY

## TYPICAL CROSS SECTIONS FOR

LAMB #12-20-3-1

SECTION 20, T3S, R1W, U.S.B.&amp;M.

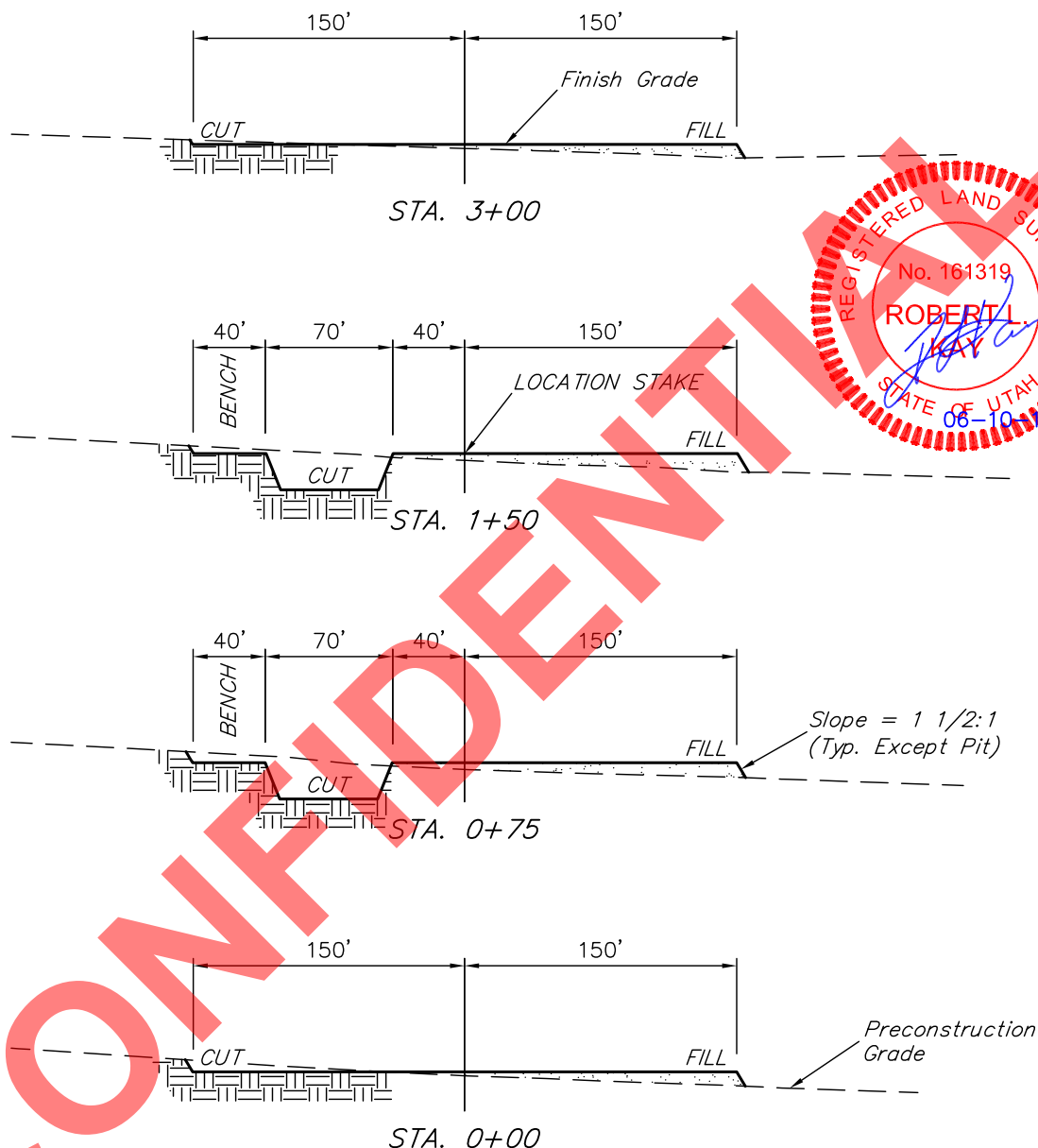
1689' FSL 480' FWL

FIGURE #2

X-Section  
Scale  
1" = 40'  
1" = 100'

DATE: 06-09-11

DRAWN BY: J.I.

APPROXIMATE ACREAGESWELL SITE DISTURBANCE =  $\pm 2.812$  ACRESACCESS ROAD DISTURBANCE =  $\pm 0.451$  ACRESTOTAL =  $\pm 3.263$  ACRES

\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 1,780 Cu. Yds.  
Remaining Location = 2,330 Cu. Yds.  
TOTAL CUT = 4,110 CU.YDS.  
FILL = 5,970 CU.YDS.

DEFICIT MATERIAL = <1,860> Cu. Yds.  
Topsoil & Pit Backfill = 2,760 Cu. Yds.  
(1/2 Pit Vol.)  
DEFICIT UNBALANCE = <4,620> Cu. Yds.  
(Obtain Deficit Material from  
Approved Barrow Area)

UINTAH ENGINEERING &amp; LAND SURVEYING

85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

RECEIVED: June 22, 2011

## NEWFIELD EXPLORATION COMPANY

## TYPICAL RIG LAYOUT FOR

LAMB #12-20-3-1

SECTION 20, T3S, R1W, U.S.B.&amp;M.

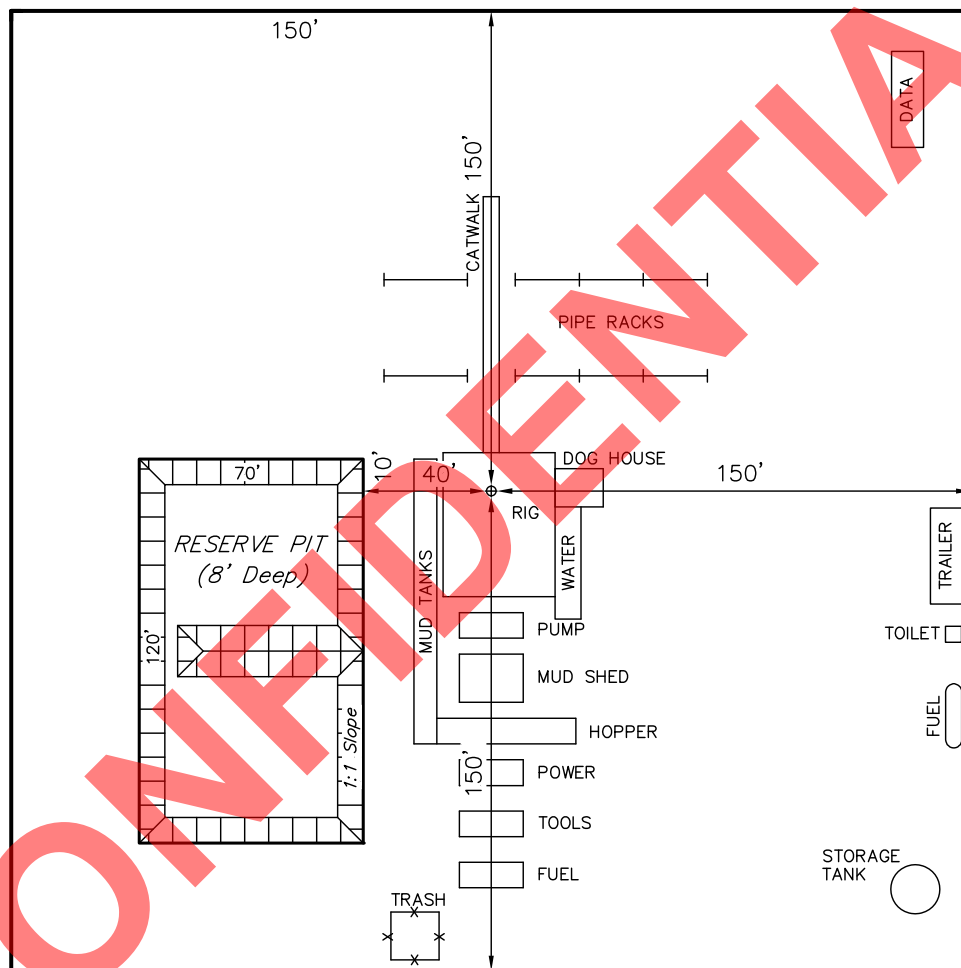
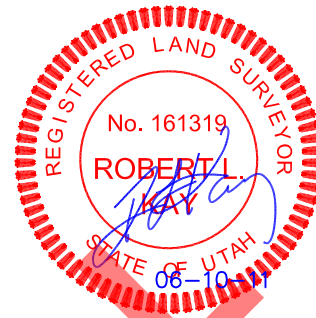
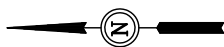
1689' FSL 480' FWL

FIGURE #3

SCALE: 1" = 60'

DATE: 06-09-11

DRAWN BY: J.I.



RESERVE PIT  
(8' Deep)

Total Pit Capacity  
W/2' of Freeboard  
= 6,740 Bbls.±  
Total Pit Volume  
= 1,950 Cu. Yds

Proposed  
Access Road

UINTAH ENGINEERING & LAND SURVEYING

85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

RECEIVED: June 22, 2011

# NEWFIELD EXPLORATION COMPANY

## PRODUCTION FACILITY LAYOUT FOR

LAMB #12-20-3-1

SECTION 20, T3S, R1W, U.S.B.&M.

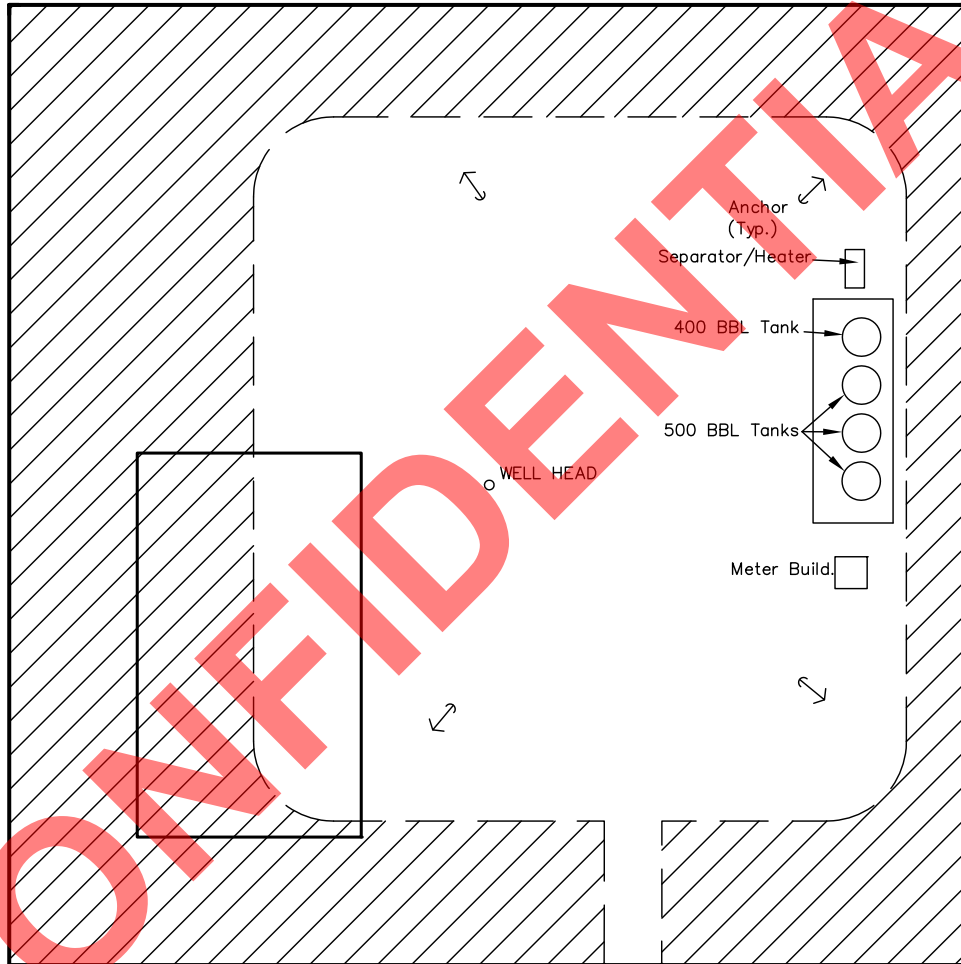
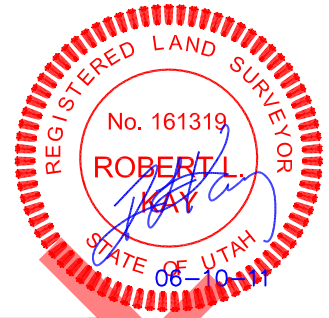
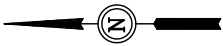
1689' FSL 480' FWL

FIGURE #4

SCALE: 1" = 60'

DATE: 06-09-11

DRAWN BY: J.I.



APPROXIMATE ACREAGES  
UN-RECLAIMED = ± 1.037 ACRES

Access Road

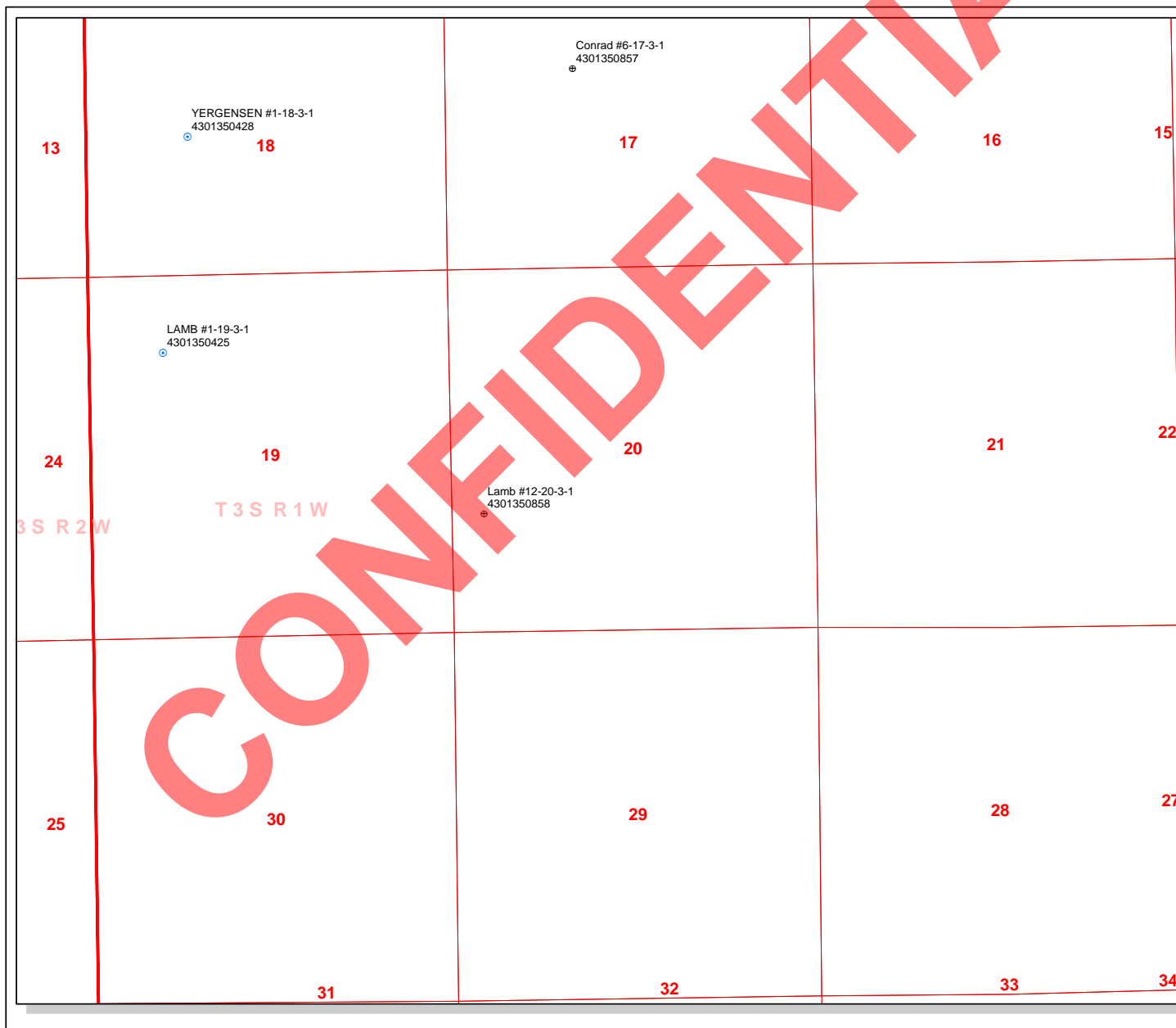


RECLAIMED AREA

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

RECEIVED: June 22, 2011

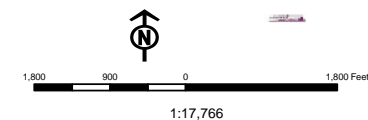




**API Number: 4301350858**  
**Well Name: Lamb #12-20-3-1**  
**Township T0.3 . Range R0.1 . Section 20**  
**Meridian: UBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

Units	Wells Query
<b>STATUS</b>	<b>Status</b>
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	OPS - Operation Suspended
PP GEOTHERMAL	PA - Plugged Abandoned
PP OIL	PGW - Producing Gas Well
SECONDARY	POW - Producing Oil Well
TERMINATED	RET - Returned APD
<b>Fields</b>	SGW - Shut-in Gas Well
<b>STATUS</b>	SOW - Shut-in Oil Well
Unknown	TA - Temp. Abandoned
ABANDONED	TW - Test Well
ACTIVE	WDW - Water Disposal
COMBINED	WIW - Water Injection Well
INACTIVE	WSW - Water Supply Well
STORAGE	
TERMINATED	
Sections	
Township	





State of Utah

GARY R. HERBERT  
*Governor*

GREG BELL  
*Lieutenant  
Governor*

Office of the Governor

PUBLIC LANDS POLICY COORDINATION

JOHN HARJA  
*Director*

July 11, 2011

Diana Mason  
Petroleum Specialist  
Department of Natural Resources, Division of Oil Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, UT 84114-5801

Subject: Application for Permit to Drill  
RDCC Project No. 27100

Dear Ms. Mason:

The State of Utah, through the Public Lands Policy Coordination Office (PLPCO), has reviewed this project. Utah Code (Section 63J-4-601, *et. seq.*) designates PLPCO as the entity responsible to coordinate the review of technical and policy actions that may affect the physical resources of the state, and to facilitate the exchange of information on those actions among federal, state, and local government agencies. As part of this process, PLPCO makes use of the Resource Development Coordinating Committee (RDCC). The RDCC includes representatives from the state agencies that are generally involved or impacted by public lands management.

**Division of Air Quality**

Because fugitive dust may be generated during soil disturbance the proposed project will be subject to Air Quality rule R307-205-5 for Fugitive Dust. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules can be found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm)

**RECEIVED: July 11, 2011**

Page 2  
July 11, 2011  
Diana Mason

The state encourages the use of Best Management Processes (BMP s) in protecting air quality in Utah. The state recommends the following BMP s as standard operating procedures:

- 1) Emission Standards for Stationary Internal Combustion Engines of 2 g/bhp-hr of NOx for engines less than 300 HP (Tier 3) and 1 g/bhp-hr of NOx for engines over 300 HP (Tier 3).
- 2) No or low bleed controllers for Pneumatic Pumps, Actuators and other Pneumatic devices.
- 3) Green completion or controlled VOC emissions methods with 90% efficiency for Oil or Gas Atmospheric Storage Tanks, VOC Venting controls or flaring. Glycol Dehydration and Amine Units, VOC Venting controls or flaring, Well Completion, Re-Completion, Venting, and Planned Blowdown Emissions.

If compressors or pump stations are constructed at the site a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to R307-401: Permit: Notice of Intent and Approval Order, of the Utah Air Quality Rules. A copy of the rules may be found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm).

The State of Utah appreciates the opportunity to review this proposal and we look forward to working with you on future projects. Please direct any other written questions regarding this correspondence to the Public Lands Policy Coordination Office at the address below, or call Judy Edwards at (801) 537-9023.

Sincerely,



John Harja  
Director



Well Name	NEWFIELD PRODUCTION COMPANY Lamb #12-20-3-1 4301			
String	Cond	Surf	Prod	
Casing Size(in)	13.375	9.625	5.500	
Setting Depth (TVD)	60	2500	10250	
Previous Shoe Setting Depth (TVD)	0	60	2500	
Max Mud Weight (ppg)	8.3	8.5	10.0	
BOPE Proposed (psi)	0	500	5000	
Casing Internal Yield (psi)	1000	3520	12630	
Operators Max Anticipated Pressure (psi)	5064		9.5	

Calculations	Cond String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	26	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	19	NO air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	13	NO OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	13	NO
Required Casing/BOPE Test Pressure=		60	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Surf String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	1105	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	805	NO air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	555	NO No expected pressures
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	568	NO
Required Casing/BOPE Test Pressure=		2464	psi
*Max Pressure Allowed @ Previous Casing Shoe=		60	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	5330	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4100	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3075	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3625	NO Reasonable
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		2500	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi

API Well Number: 43013508580000

\*Max Pressure Allowed @ Previous Casing Shoe=

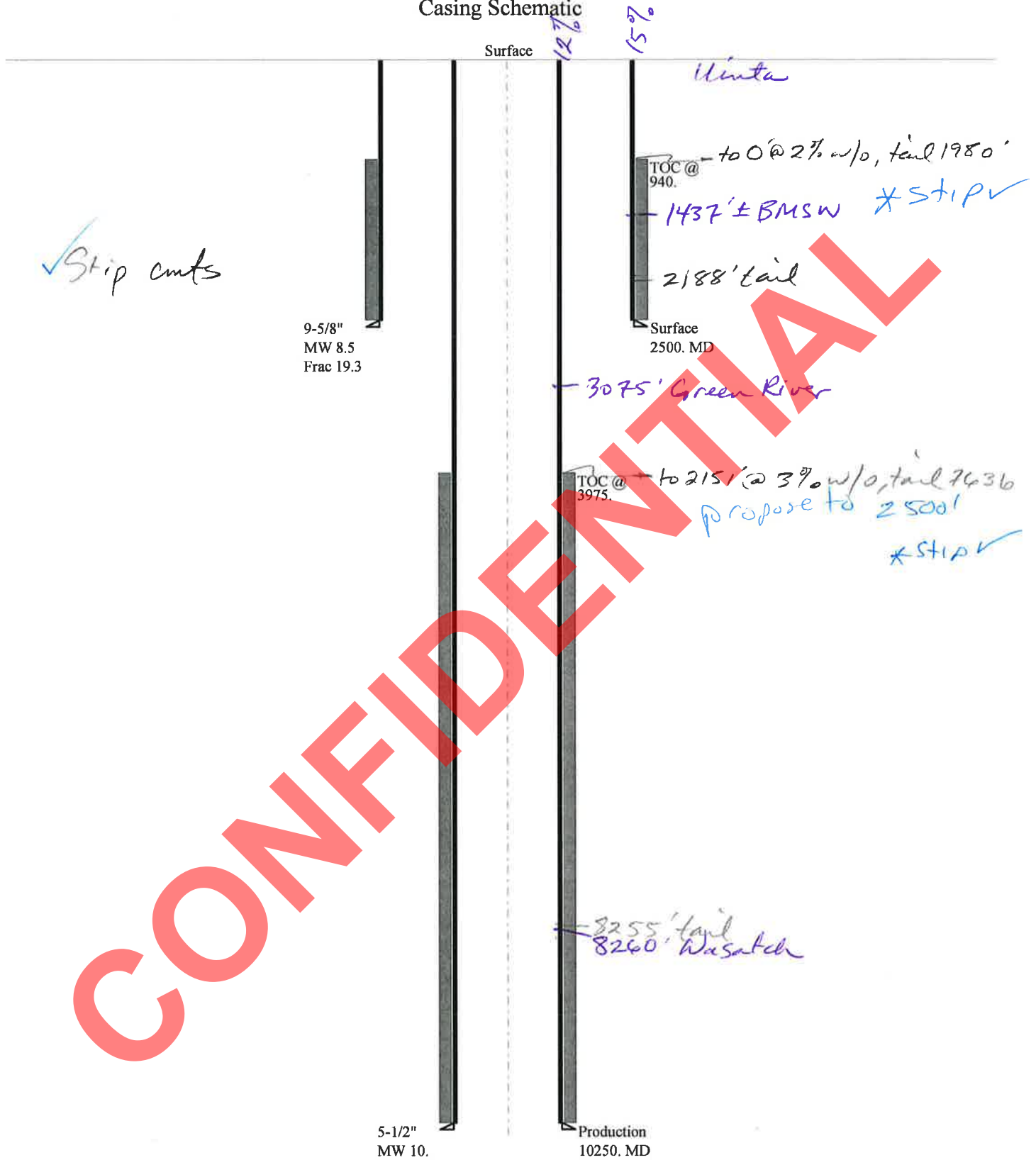
psi \*Assumes 1psi/ft frac gradient

CONFIDENTIAL

**RECEIVED:** August 17, 2011

43013508580000 Lamb #12-20-3-1

Casing Schematic



Well name:	<b>43013508580000 Lamb #12-20-3-1</b>	
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>	
String type:	Surface	Project ID: 43-013-50858
Location:	DUCHESNE COUNTY	

**Design parameters:****Collapse**

Mud weight: 8.500 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 109 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 940 ft

**Burst**

Max anticipated surface pressure: 2,200 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 2,500 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 2,185 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 10,250 ft  
Next mud weight: 10.000 ppg  
Next setting BHP: 5,325 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 2,500 ft  
Injection pressure: 2,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	2500	9.625	36.00	J-55	ST&C	2500	2500	8.796	21730
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1104	2020	1.830	2500	3520	1.41	90	394	4.38 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: August 9, 2011  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 2500 ft, a mud weight of 8.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.



Well name:	<b>43013508580000 Lamb #12-20-3-1</b>	
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>	
String type:	Production	Project ID: 43-013-50858
Location:	DUCESNE COUNTY	

**Design parameters:****Collapse**

Mud weight: 10.000 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 218 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 3,975 ft

**Burst**

Max anticipated surface pressure: 3,070 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 5,325 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

Non-directional string.

Tension is based on air weight.  
Neutral point: 8,698 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	10250	5.5	20.00	P-110	LT&C	10250	10250	4.653	79421
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	5325	11100	2.085	5325	12630	2.37	205	548	2.67 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801-538-5357  
FAX: 801-359-3940

Date: August 9, 2011  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 10250 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** Lamb #12-20-3-1  
**API Number** 43013508580000 **APD No** 4079 **Field/Unit** WILDCAT  
**Location: 1/4,1/4** NWSW **Sec** 20 **Tw** 3.0S **Rng** 1.0W 1689 FSL 480 FWL  
**GPS Coord (UTM)** **Surface Owner** Karl L. Lamb

### Participants

M. Jones (DOGM), J. Henderson, J. Pippy, T. Eaton (Newfield), Corey Miller (Tri-State Surveying), Karl Lamb (surface). Zander McKentire (Harvest).

### Regional/Local Setting & Topography

Southwest of Myton approximately 3.5 miles. Topography is relatively flat irrigated and subirrigated pasture land. Sloping to the south. Just north of the Duchesne River and sewer lagoon ponds. Access is from existing roads of various status and type as well as about 320 feet of new access. All of the access is across the same landowner as the well pad. Drianage should be caught and diverted around the pad, specifically the drainage coming from the north side of the pad as this is where the irrigation water comes from. The pad will need to be built up with foreign material as the pad is somewhat "wet". Could be swampy and unstable without material hauled in and the pad built up. Due to the wet nature of the soil a tradition reserve pit will be risky here. The Division reccomends a closed loop system for this well.

The landowner was present during the pre-site meeting.

### Surface Use Plan

**Current Surface Use**  
Agricultural

<b>New Road Miles</b>	<b>Well Pad</b>	<b>Src Const Material</b>	<b>Surface Formation</b>
0.06	<b>Width</b> 300 <b>Length</b> 300	Offsite	

**Ancillary Facilities**

### Waste Management Plan Adequate?

### Environmental Parameters

**Affected Floodplains and/or Wetlands** Y  
wetland area.

**Flora / Fauna**  
irrigated and subirrigated pasture land. Mostly alfalfa and grasses.

**Soil Type and Characteristics**  
clay

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** Y

Pad needs to be built up with outside material .

**Drainage Diversion Required? Y**

divert drainages around and away from pad and access.

**Berm Required? Y**

Berm pad to prevent fluids from entering or leaving the pad.

**Erosion Sedimentation Control Required? N**

**Paleo Survey Run? N    Paleo Potential Observed? N    Cultural Survey Run? N    Cultural Resources? N**

**Reserve Pit****Site-Specific Factors****Site Ranking**

<b>Distance to Groundwater (feet)</b>		20	
<b>Distance to Surface Water (feet)</b>	100 to 200	15	
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0	
<b>Distance to Other Wells (feet)</b>	>1320	0	
<b>Native Soil Type</b>	Mod permeability	10	
<b>Fluid Type</b>	Fresh Water	5	
<b>Drill Cuttings</b>	Normal Rock	0	
<b>Annual Precipitation (inches)</b>	10 to 20	5	
<b>Affected Populations</b>			
<b>Presence Nearby Utility Conduits</b>	Unknown	10	
<b>Final Score</b>		65	1 Sensitivity Level

**Characteristics / Requirements**

Closed loop system required.

**Closed Loop Mud Required? Y    Liner Required? N    Liner Thickness    Pit Underlayment Required? N**

**Other Observations / Comments**

Mark Jones  
Evaluator

7/6/2011  
Date / Time



# Application for Permit to Drill Statement of Basis

8/17/2011

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
4079	43013508580000	LOCKED	OW	P	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY		<b>Surface Owner-APD</b>	Karl L. Lamb	
<b>Well Name</b>	Lamb #12-20-3-1		<b>Unit</b>		
<b>Field</b>	WILDCAT		<b>Type of Work</b>	DRILL	
<b>Location</b>	NWSW 20 3S 1W U 1689 FSL 480 FWL		GPS Coord (UTM)	582802E	4450801N

## Geologic Statement of Basis

Newfield proposes to set 60' of conductor and 2,500' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 1,437'. A search of Division of Water Rights records shows 3 water wells within a 10,000 foot radius of the center of Section 20. All of the wells are located over 1 mile from the proposed location. Depth is listed for these wells as 42, 51 and 51 feet. Water use is listed as irrigation, stock watering and domestic use. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement programs should adequately protect usable ground water in this area.

Brad Hill  
APD Evaluator

7/26/2011  
Date / Time

## Surface Statement of Basis

Southwest of Myton approximately 3.5 miles. Topography is relatively flat irrigated and subirrigated pasture land. Sloping to the south. Just north of the Duchesne River and sewer logoon ponds. Access is from existing roads of various status and type as well as about 320 feet of new access. All of the access is across the same landowner as the well pad. Drainage should be caught and diverted around the pad, specifically the drainage coming from the north side of the pad as this is where the irrigation water comes from. The pad will need to be built up with foreign material as the pad is somewhat "wet". Could be swampy and unstable without material hauled in and the pad built up. Due to the wet nature of the soil a tradition reserve pit will be risky here. The Division recommends a closed loop system for this well.

The landowner was present during the pre-site meeting.

Mark Jones  
Onsite Evaluator

7/6/2011  
Date / Time

## Conditions of Approval / Application for Permit to Drill

<b>Category</b>	<b>Condition</b>
Pits	A closed loop mud circulation system is required for this location.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.

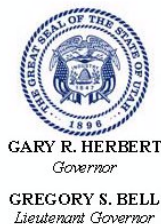
**RECEIVED: August 17, 2011**

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 6/22/2011**API NO. ASSIGNED:** 43013508580000**WELL NAME:** Lamb #12-20-3-1**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695)**PHONE NUMBER:** 435 719-2018**CONTACT:** Don Hamilton**PROPOSED LOCATION:** NWSW 20 030S 010W**Permit Tech Review:** ☒**SURFACE:** 1689 FSL 0480 FWL**Engineering Review:** ☒**BOTTOM:** 1689 FSL 0480 FWL**Geology Review:** ☒**COUNTY:** DUCHESNE**LATITUDE:** 40.20543**LONGITUDE:** -110.02708**UTM SURF EASTINGS:** 582802.00**NORTHINGS:** 4450801.00**FIELD NAME:** WILDCAT**LEASE TYPE:** 4 - Fee**LEASE NUMBER:** Patented**PROPOSED PRODUCING FORMATION(S):** WASATCH**SURFACE OWNER:** 4 - Fee**COALBED METHANE:** NO**RECEIVED AND/OR REVIEWED:**☒ **PLAT**☒ **Bond:** STATE/FEE - B001834☐ **Potash**☐ **Oil Shale 190-5**☐ **Oil Shale 190-3**☐ **Oil Shale 190-13**☒ **Water Permit:** 437478☒ **RDCC Review:** 2011-08-17 00:00:00.0☒ **Fee Surface Agreement**☐ **Intent to Commingle****Commingle Approved****LOCATION AND SITING:**☐ **R649-2-3.****Unit:**☐ **R649-3-2. General**☒ **R649-3-3. Exception**☒ **Drilling Unit****Board Cause No:** R649-3-3**Effective Date:****Siting:**☐ **R649-3-11. Directional Drill****Comments:** Presite Completed**Stipulations:**

- 1 - Exception Location - bhill
- 5 - Statement of Basis - bhill
- 12 - Cement Volume (3) - ddoucet
- 21 - RDCC - dmason
- 23 - Spacing - dmason
- 25 - Surface Casing - hmadonald

**RECEIVED: August 17, 2011**



## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** Lamb #12-20-3-1  
**API Well Number:** 43013508580000  
**Lease Number:** Patented  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 8/17/2011

**Issued to:**

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-3. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**Exception Location:**

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

**General:**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**

The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review. (See attached)

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2500' MD minimum as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

**Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



API Well No: 43013508580000

Approved by:

A handwritten signature in black ink, appearing to read "J. Rogers", written in a cursive style.

For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Patented
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> LAMB #12-20-3-1
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43013508580000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1689 FSL 0480 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 20 Township: 03.0S Range: 01.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/16/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE  <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR  <input checked="" type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span> </div> </div>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>  Newfield Production respectfully requests that the name of the well be changed from Lamb #12-20-3-1 to the Lamb #12-20-3-1W and the location layout be changed to accommodate a different rig than initially anticipated. Attached please find an updated plat package reflecting changes to the location layouts, cross sections, and topo maps as a result of the layout change.		
		<b>Accepted by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> 09/27/2011  <b>By:</b>
<b>NAME (PLEASE PRINT)</b> Mandie Crozier		<b>PHONE NUMBER</b> 435 646-4825
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Tech  <b>DATE</b> 9/22/2011

# NEWFIELD EXPLORATION COMPANY

**LAMB #12-20-3-1W**

**LOCATED IN DUCHESNE COUNTY, UTAH  
SECTION 20, T3S, R1W, U.S.B.&M.**

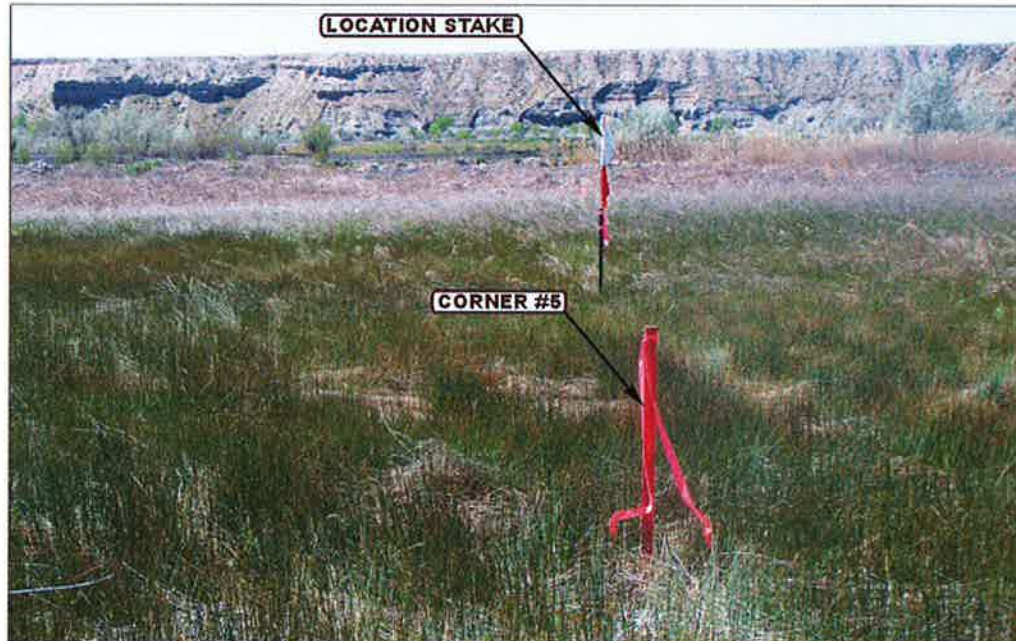


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

LOCATION PHOTOS

06 07 10  
MONTH DAY YEAR

PHOTO

TAKEN BY: G.O.

DRAWN BY: J.H.

REV: 8-31-11 B.D.H.

RECEIVED Sep. 22, 2011

T3S, R1W, U.S.B.&M.

NEWFIELD EXPLORATION COMPANY

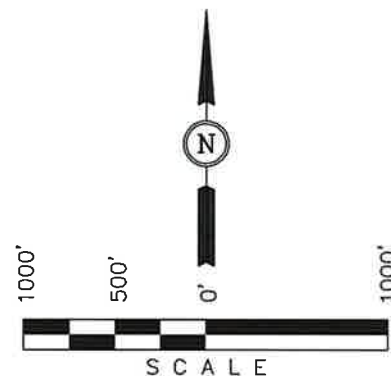
Well location, LAMB #12-20-3-1W, located as shown in the NW 1/4 SW 1/4 of Section 20, T3S, R1W, U.S.B.&M., Duchesne County, Utah.

### BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 20, T3S, R2W, U.S.B.&M. TAKEN FROM THE MYTON, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5148 FEET.

### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



### CERTIFICATE

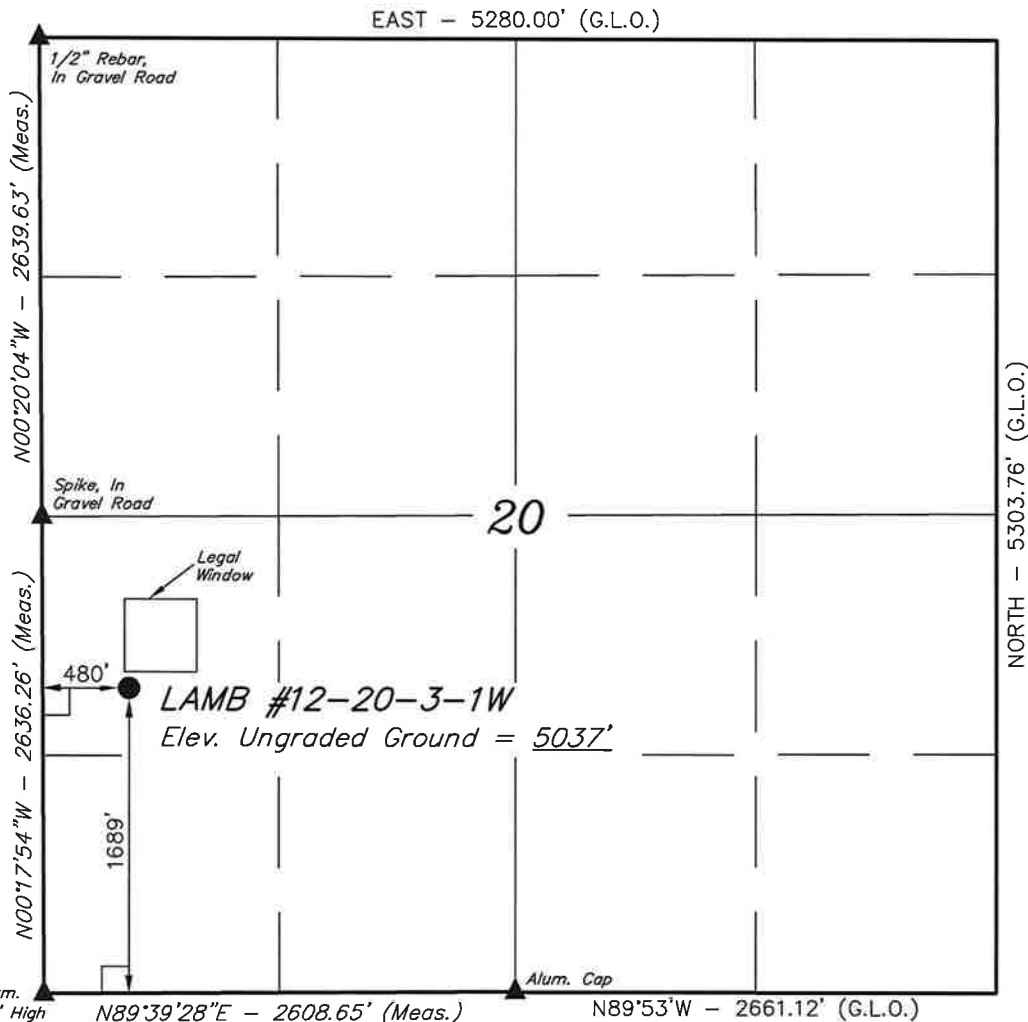
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

REV.: 09-12-11 J.I.  
REV.: 06-13-11 J.I.

UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 06-06-11	DATE DRAWN: 06-09-11
PARTY G.O. C.A. J.I.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE NEWFIELD EXPLORATION COMPANY	



### LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)  
LATITUDE = 40°12'19.27" (40.205353)  
LONGITUDE = 110°01'39.86" (110.027739)  
(NAD 27)  
LATITUDE = 40°12'19.41" (40.205392)  
LONGITUDE = 110°01'37.32" (110.027033)

RECEIVED Sep. 22, 2011

Sundry Number: 18753 API Well Number: 43013508580000





## NEWFIELD EXPLORATION COMPANY

## TYPICAL CROSS SECTIONS FOR

LAMB #12-20-3-1W

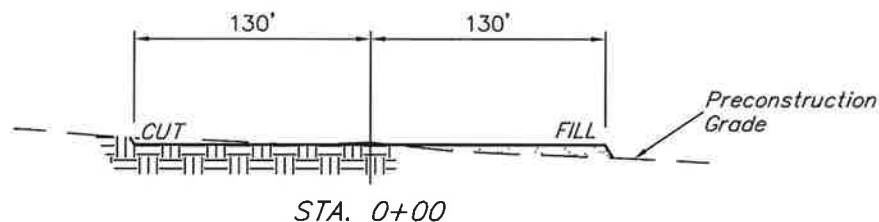
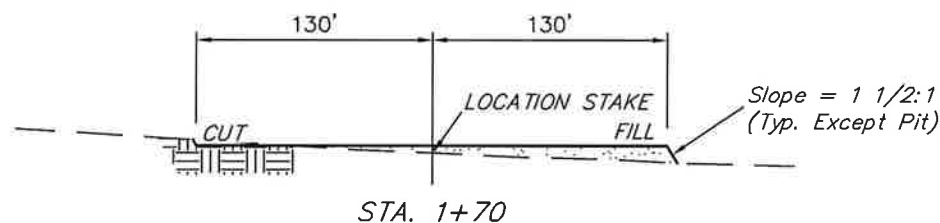
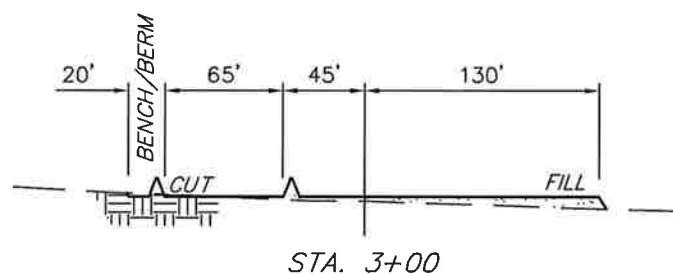
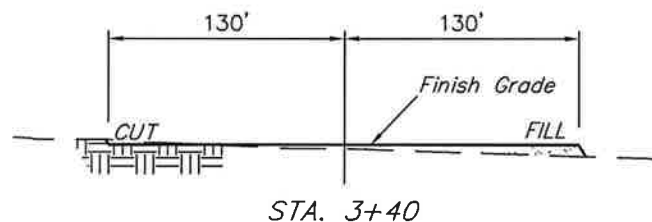
SECTION 20, T3S, R1W, U.S.B.&amp;M.

1689' FSL 480' FWL

FIGURE #2

1" = 40'  
X-Section  
Scale  
1" = 100'

DATE: 06-09-11  
DRAWN BY: J.I.  
REV.: 09-12-11



## NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

## APPROXIMATE ACREAGES

WELL SITE DISTURBANCE =  $\pm 2.775$  ACRES  
ACCESS ROAD DISTURBANCE =  $\pm 0.421$  ACRES  
TOTAL =  $\pm 3.196$  ACRES

## \* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

## APPROXIMATE YARDAGES

(6") Topsoil Stripping = 1,730 Cu. Yds.  
Remaining Location = 290 Cu. Yds.  
TOTAL CUT = 2,020 CU.YDS.  
FILL = 6,020 CU.YDS.

DEFICIT MATERIAL = <4,000> Cu. Yds.  
Topsoil = 1,730 Cu. Yds.

DEFICIT UNBALANCE = <5,730> Cu. Yds.  
(Obtain Deficit Material from Approved Borrow Area)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

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## NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT FOR

LAMB #12-20-3-1W  
SECTION 20, T3S, R1W, U.S.B.&M.  
1689' FSL 480' FWL

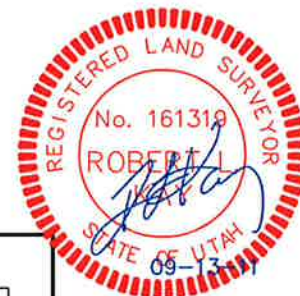
FIGURE #3

SCALE: 1" = 60'

DATE: 06-09-11

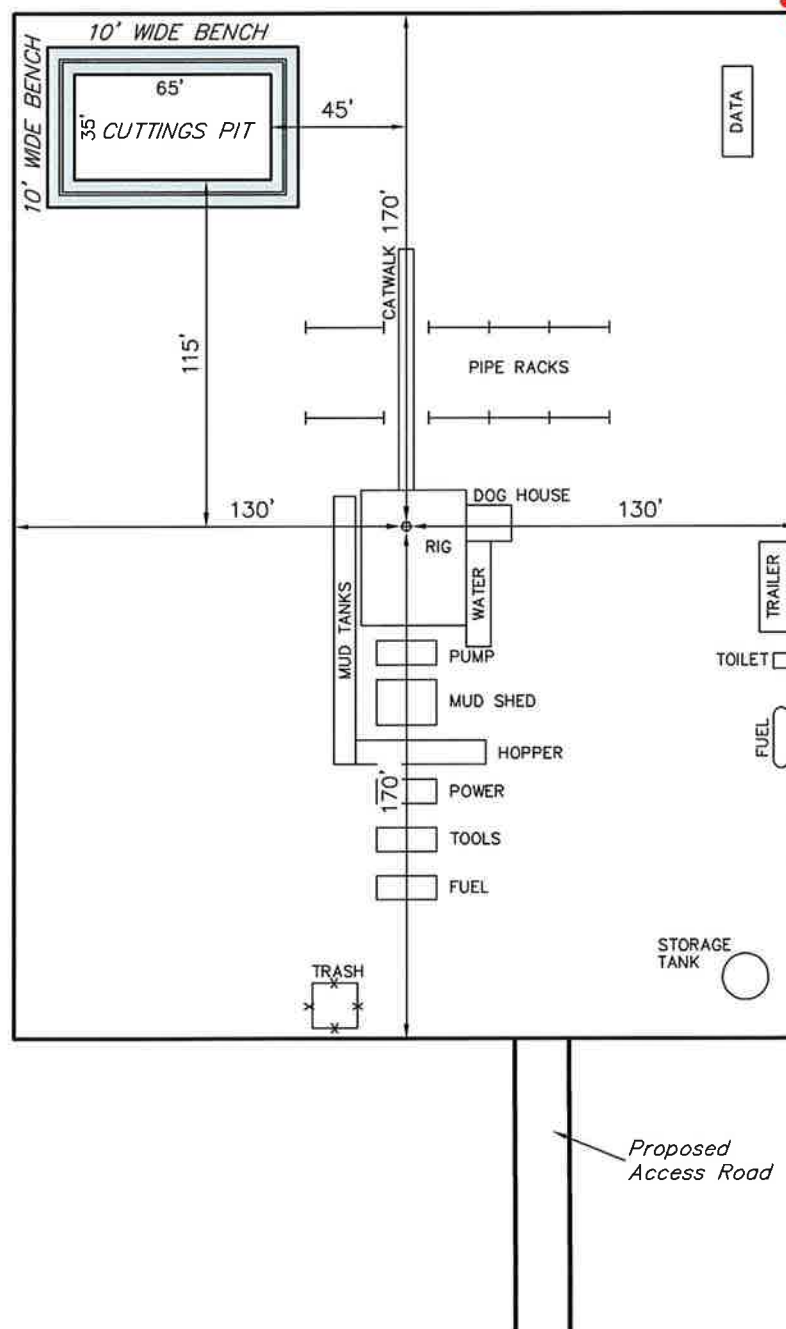
DRAWN BY: J.I.

REV: 09-12-11



CUTTINGS PIT  
(4' Deep)

Total Pit Capacity  
= 1,920 Bbls.±  
Total Pit Volume  
= 400 Cu. Yds



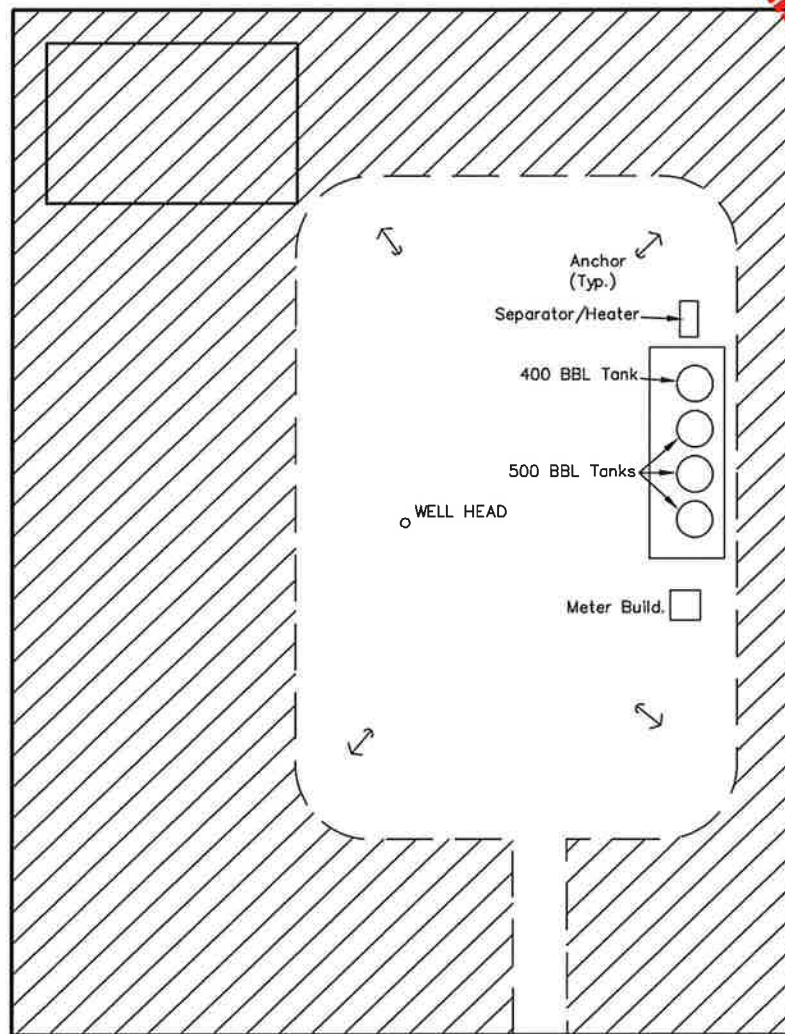
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85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

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**NEWFIELD EXPLORATION COMPANY**  
PRODUCTION FACILITY LAYOUT FOR  
 LAMB #12-20-3-1W  
 SECTION 20, T3S, R1W, U.S.B.&M.  
 1689' FSL 480' FWL

**FIGURE #4**

SCALE: 1" = 60'  
 DATE: 06-09-11  
 DRAWN BY: J.I.  
 REV.: 09-12-11



APPROXIMATE ACREAGES  
 UN-RECLAIMED = ± 0.755 ACRES

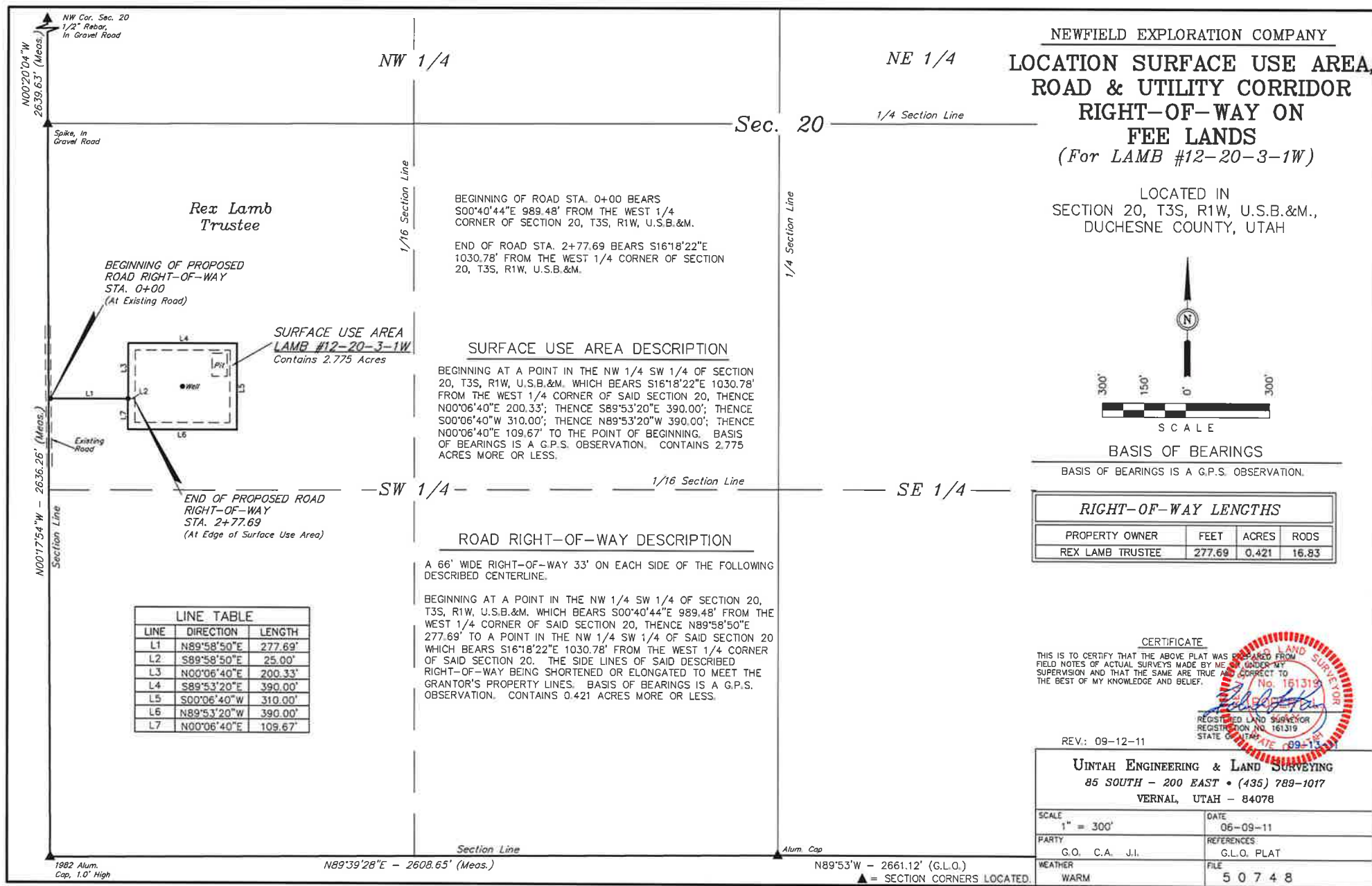
Access Road

RECLAIMED AREA

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**RECEIVED** Sep. 22, 2011



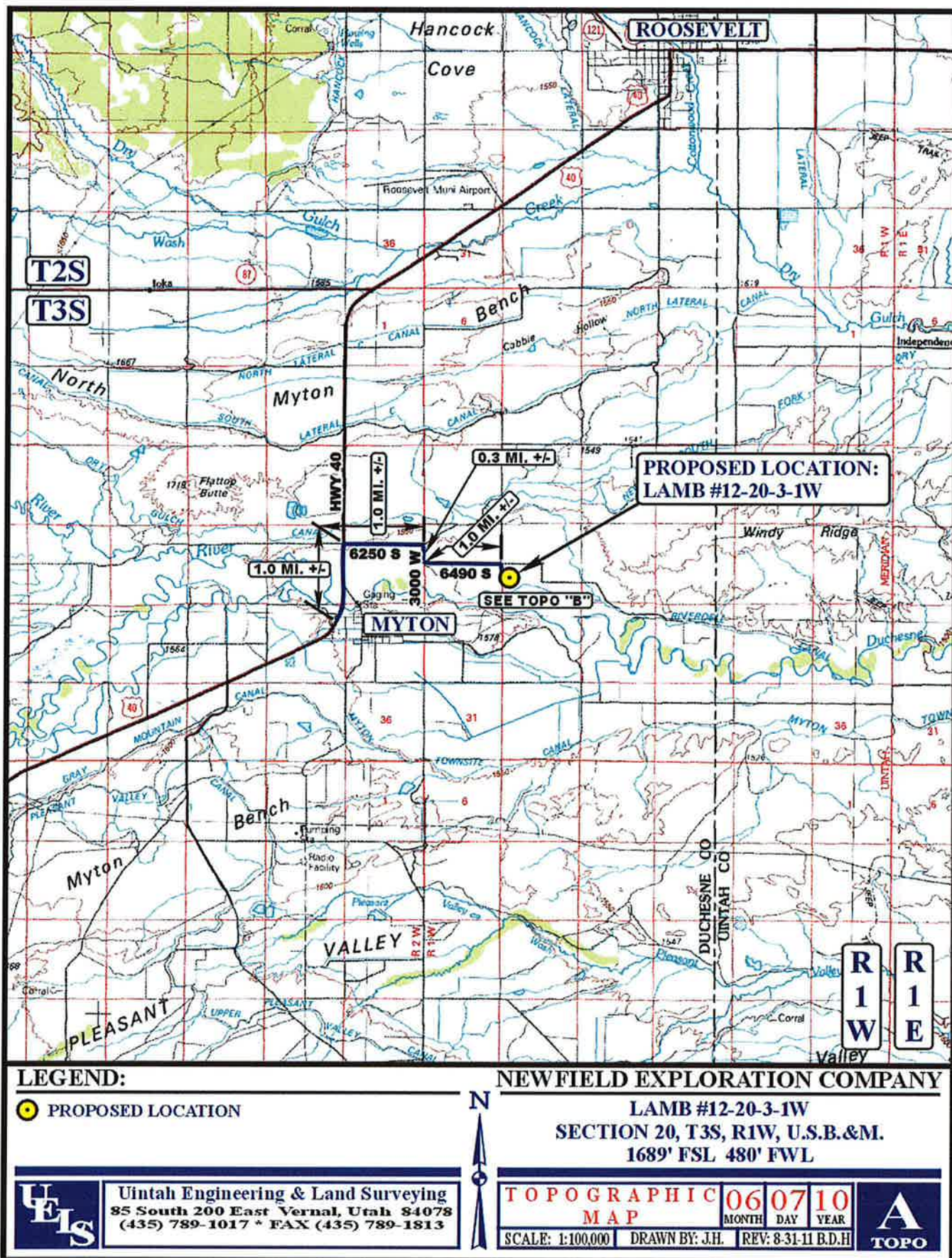




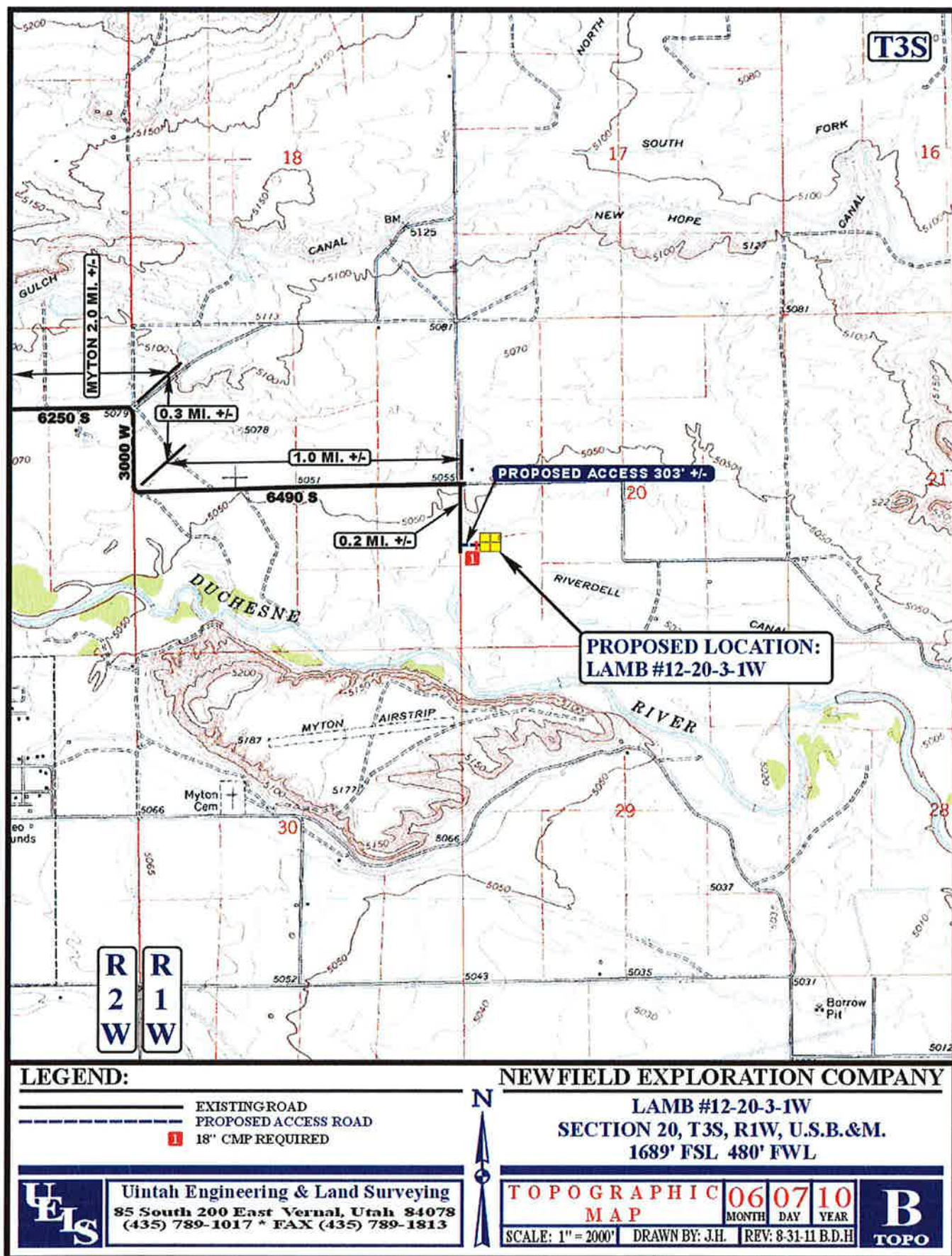
NEWFIELD EXPLORATION COMPANY  
LAMB #12-20-3-1W  
SECTION 20, T3S, R1W, U.S.B.&M.

PROCEED IN A NORTHEASTERLY, THEN NORTHERLY DIRECTION FROM MYTON, UTAH ALONG HIGHWAY 40 APPROXIMATELY 1.0 MILES TO THE JUNCTION OF HIGHWAY 40 AND 6250 SOUTH TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE JUNCTION OF 6250 SOUTH AND 3000 WEST TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF 3000 WEST AND 6490 SOUTH TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE EAST; FOLLOW ROAD FLAGS IN A EASTERLY DIRECTION APPROXIMATELY 303' TO THE PROPOSED LOCATION.

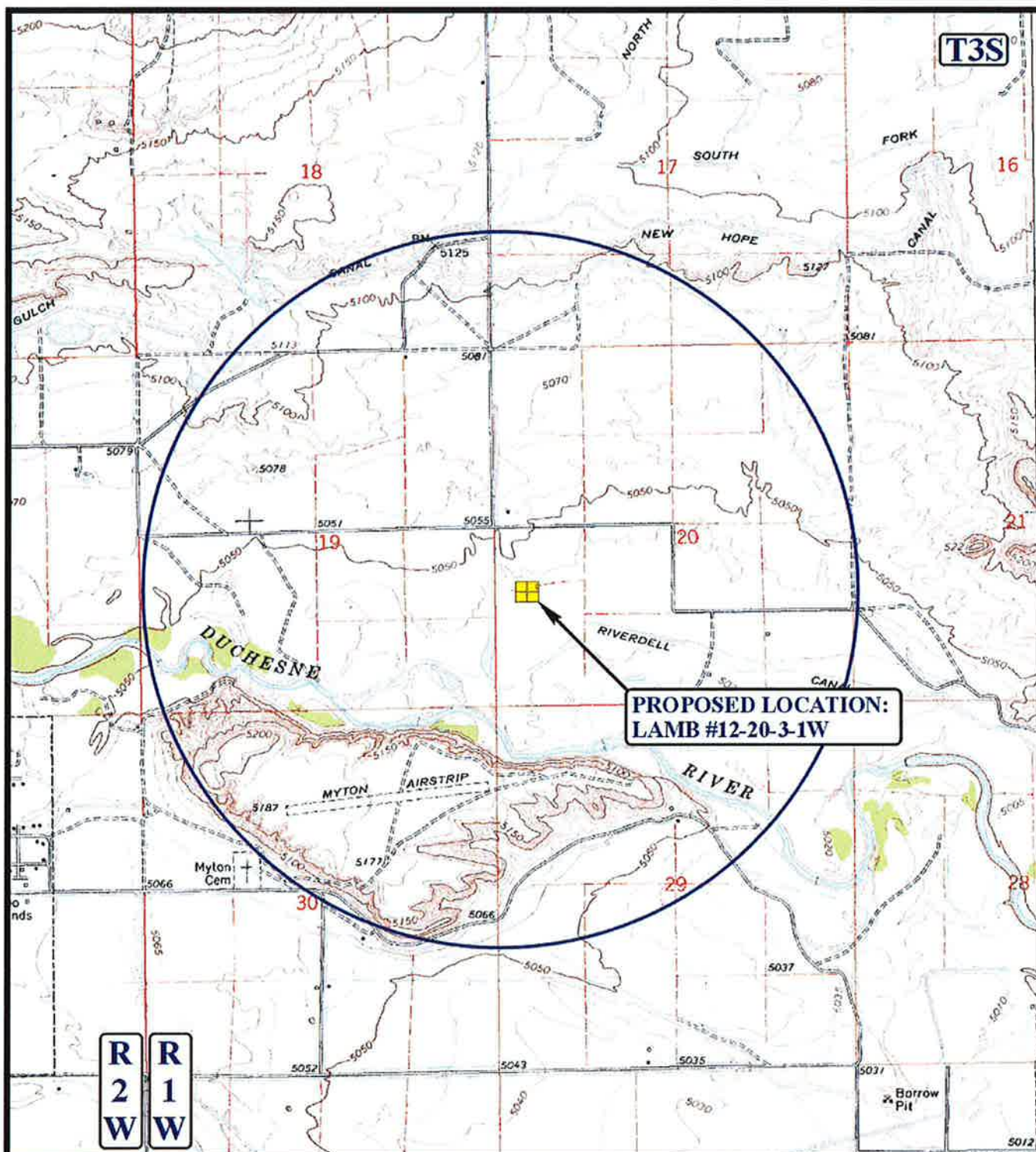
TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED LOCATION IS APPROXIMATELY 3.5 MILES.











**LEGEND:**

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- ⊙ SHUT IN WELLS
- ⊙ ABANDONED WELLS
- ⊙ TEMPORARILY ABANDONED



Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**NEWFIELD EXPLORATION COMPANY**

**LAMB #12-20-3-1W**  
**SECTION 20, T3S, R1W, U.S.B.&M.**  
**1689' FSL 480' FWL**

**TOPOGRAPHIC**  
**MAP**

**06 07 10**  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.H. REV: 8-31-11 B.D.H



**CONFIDENTIAL**

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross #30 Submitted  
By Branden Arnold Phone Number 435-401-0223  
Well Name/Number Lamb 12-20-3-1<sub>W</sub>  
Qtr/Qtr NW/SW Section 20 Township 3S Range 1W  
Lease Serial Number Patented  
API Number 43-013-50858

Spud Notice – Spud is the initial spudding of the well, not drilling  
out below a casing string.

Date/Time 10/5/11 9:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing  
times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 10/5/11 3:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks \_\_\_\_\_

---



BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pioneer Rig 69  
Submitted By RL Tatman Phone Number 435-828-6092  
Well Name/Number Lamb 12-20-3-1W  
Qtr/Qtr NW/SW Section 20 Township 3S Range 1W  
Lease Serial Number Fee  
API Number 43013508580000

Rig Move Notice – Move drilling rig to new location.

Date/Time 10-08-2011 0800 AM ☒ PM ☐

BOPE

- ☒ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time 10-11-11 00:00 AM ☒ PM ☐

Remarks Site Supervisor will update Casing Run Cement and BOPE test info as needed via email or Telephone to Dennis Ingram.

Drilling Operations Will resume with The 12.25" hole section at approx 04:00 on 10/09/2011 from 80' GL to 2500' RKB

RECEIVED

OCT 12 2011

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**  
ADDRESS: **RT. 3 BOX 3630**  
**MYTON, UT 84052**

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
<b>B</b>	<b>99999</b>	<b>17400</b> ✓	<b>4301350580</b>	<b>GMBU B-14-9-16</b>	<b>SESE</b>	<b>11</b> <b>14</b>	<b>9S</b>	<b>16E</b>	<b>DUCHESNE</b>	<b>10/9/2011</b>	<b>10/14/11</b>
WELL 1 COMMENTS: <b>GRRV</b> <b>BHL = Sec 14 NWNE</b>											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
<b>A</b>	<b>99999</b>	<b>18262</b>	<b>4301350858</b> <del><b>430350858</b></del>	<b>LAMB 12-20-3-1W</b>	<b>NWSW</b>	<b>20</b>	<b>3S</b>	<b>1W</b>	<b>DUCHESNE</b>	<b>10/5/2011</b>	
<b>WSTC</b> <b>CONFIDENTIAL</b>											
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - 1 well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - ther (explain in comments section)

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**OCT 14 2011**

**DIV. OF OIL, GAS & MINING**

Signature

Production Clerk

Jentri Park

10/13/11

NOTE: Use COMMENT section to explain why each Action Code was selected.

CONFIDENTIAL

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: UINTA CB -WASATCH SHALLOW
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: LAMB 12-20-3-1 <i>W</i>
OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW, 20, T3S, R1W		9. API NUMBER: 4301350858
		10. FIELD AND POOL, OR WILDCAT: UINTA CENTRAL BASIN
		COUNTY: UINTAH
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: _____ 10/07/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 10/5/11 MIRU Ross #29. Spud well @9:00 AM. Drill 80' of 17 1/2" hole with air mist. TIH W/ 2 Jt's 14" J-55 32# csgn. Set @ 80. On 10/7/11 cement with 100 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 8 barrels cement to pit. WOC.

NAME (PLEASE PRINT) Branden Arnold TITLE \_\_\_\_\_  
SIGNATURE *Branden Arnold* DATE 10/07/2011

(This space for State use only)

**RECEIVED**

**OCT 19 2011**

**DIV. OF OIL, GAS & MINING**

# NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

## CASING SET AT

LAST CASING                    14    SET AT                    80

DATUM \_\_\_\_\_ 17

DATUM TO CUT OFF CASING 17

DATUM TO BRADENHEAD FLANGE 17

 TD DRILLER | LOGGER |

HOLE SIZE

OPERATOR Newfield Exploration Company

WELL      LAMB 12-20-3-1

FIELD/PROSPECT **Monument Butte**

CONTRACTOR & RIG # **Ross # 29**

## LOG OF CASING STRING:

[illegible]

[illegible]

COMPANY REPRESENTATIVE

## Branden Arnold

DATE 10/7/2011



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Patented
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> LAMB #12-20-3-1W
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 1689 FSL 0480 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 20 Township: 03.0S Range: 01.0W Meridian: U		<b>9. API NUMBER:</b> 43013508580000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 11/21/2011	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER:</b> <input style="width: 100px;" type="text"/>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>  The above well was placed on production on 11/21/2011 at 19:30 hrs.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Jennifer Peatross	<b>PHONE NUMBER</b> 435 646-4885	<b>TITLE</b> Production Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/7/2011	

CONFIDENTIAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.

FEE

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
Other: \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
NEWFIELD EXPLORATION COMPANY8. Lease Name and Well No.  
LAMB 12-20-3-1 W3. Address  
1401 17TH ST. SUITE 1000 DENVER, CO 802023a. Phone No. (include area code)  
(435) 646-37219. AFI Well No.  
43-013-50858

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface 1689' FSL &amp; 480' FWL (NW/SW) SEC. 20, T3S, R1W

10. Field and Pool or Exploratory  
WILDCAT11. Sec., T., R., M., on Block and  
Survey or Area SEC. 20, T3S, R1W

At top prod. interval reported below

12. County or Parish

13. State

At total depth 9550'

DUCHESNE

UT

14. Date Spudded  
10/05/201115. Date T.D. Reached  
10/21/201116. Date Completed 01/31/2012  
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)\*  
5037' GL 5054' KB18. Total Depth: MD 9550'  
TVD19. Plug Back T.D.: MD 9255'  
TVD20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric &amp; Other Mechanical Logs Run (Submit copy of each)

DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	9-5/8" J-55	36#	0	2525'		344 CLASS "G"			
8-3/8"	5-1/2" P-110	20#	0	9534'		550 PRIMLITE		1614'	
						876 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 8721'	TA @ 8566'						

25. Producing Intervals GR-WS

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wasatch	7743'	9092'	7743-9092'	.45"	144	
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
7743-7925'	Frac w/ 81958# 20/40 white sand and 2465 bbls Slickwater fluid, in 1 stage.
8037-8218'	Frac w/ 14552# 100 mesh, 66369# 20/40 white sand and 3250# 20/40 TLC in 2607 bbls Slickwater fluid, in 1 stage.
8294-9092'	Frac w/ 574312# 20/40 white sand and 56767# 20/40 TLC in 11857 bbls Lightning 20/Slickwater fluid, in 4 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/22/11	2/11/12	24	→	161	0	157			2-1/2" x 2" x 36' RHBC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

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DIV. OF OIL, GAS &amp; MINING

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

## GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WASATCH	7743'	9092'		GARDEN GULCH MARKER GARDEN GULCH 1	5918' 6150'
				GARDEN GULCH 2 DOUGLAS CREEK MRKR	6300' 7024'
				B LIMESTONE CASTLE PEAK	7615' 7812'
				BASAL CARBONATE WASATCH	8133' 8267'

## 32. Additional remarks (include plugging procedure):

The above well began producing on 11/22/2011 during the drilling process. It flowed through tubing until it was placed on pump, on 1/31/2011. Test data was collected approximately ten days following the pump being activated.

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)     
 ☐ Geologic Report     
 ☐ DST Report     
 ☐ Directional Survey  
☐ Sundry Notice for plugging and cement verification     
 ☐ Core Analysis     
☒ Other: Drilling Daily Activity

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Jennifer Peatross

Title Production Technician

Signature

Date 02/14/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

## Daily Activity Report

Format For Sundry

**LAMB 12-20-3-1**

**8/1/2011 To 12/30/2011**

**LAMB 12-20-3-1**

**Waiting on Cement**

**Date:** 10/7/2011

Ross #29 at 80. 13 Days Since Spud - On 10/5/11 Ross #29 spud and drilled 80' of 17 1/2" hole, P/U and run 2 jts of 14" casing set - 80'KB. On 10/7/11 cement w/BJ w/100 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17 - yield. Returned 8bbls to pit, bump plug to 101psi, BLM and State were notified of spud via email.

**Daily Cost:** \$0

**Cumulative Cost:** \$412,984

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**LAMB 12-20-3-1**

**Drill 12.25" hole with fresh water**

**Date:** 10/9/2011

Pioneer #69 at 267. 1 Days Since Spud - Lay over derrick and move off location - rig up super choke. - cases, pits, pumps, gas buster, flow line. Run pason lines, p//u kelly, r/u floor, p/u mouse hole - Rig up, Scope derrick out, set rotary tabel, fuel tnk. Set light plant, run electrical, r/u suit - load out BHA and strap same. P/U mud motor, m/u bit, kelly up and break circulation - Rig down - Rotary drill f/98' to 267' = 169' @ 67.6 fph. - Continue r/u, install exhausts on pumps, run weight indicator lines, rig up wire line unit, fill pit

**Daily Cost:** \$0

**Cumulative Cost:** \$485,183

---

**LAMB 12-20-3-1**

**Drill 12.25" hole with fresh water**

**Date:** 10/10/2011

Pioneer #69 at 1785. 2 Days Since Spud - Rotate drill F/294' to 533' - Survey @ 500' = .75\* - Rotary drill F/533' to 867' - Survey @ 829' = 1.5\* - Rotate drill F/867' to 898' - Rotate drill 898' to 1343' - Survey @ 1343' = 2.5\* - Rotate drill 1343' to 1596', Control drilling due to deviation. - Survey @ 1596' = 2.75\* - Rotary drill 1596' to 1785', continue control drilling. - Service rig - Rotate drill f/267' to 294'

**Daily Cost:** \$0

**Cumulative Cost:** \$513,232

---

**LAMB 12-20-3-1**

**Circulate casing**

**Date:** 10/11/2011

Pioneer #69 at 2525. 3 Days Since Spud - Run 63 Joints of 9 5/8" casing, Tag up at 2525' Set pipe at 2520 and circulate. - Clean Rig Floor and Rig up casing Crew. (Hold JSA and Safety Meeting with all Crews) - Pull out of the hole and Lay down 8" Collars and Mud motor. - Drill 12.25" Hole from 2146' to 2525' at 78.8 fph - Survey @ 2020' = 3\* - Rig service - Rotate drill 1847' to 2146' - Survey @ 1807' = 3\* - Rotate drill f/1785' to 1847' - Pump Sweep, circulate and condition, pump pill, Drop Survey and Prepare to trip out of hole.

**Daily Cost:** \$0

**Cumulative Cost:** \$561,850

---

**LAMB 12-20-3-1**

**Drill 8 3/4" hole with fresh water**

**Date:** 10/12/2011

Pioneer #69 at 2535. 4 Days Since Spud - Drill out cement and shoe track, and formation f/ 2525' to 2535'. - Circulate B/U for formation integrity test. - Finish TIH, tag cement. - Pick up directional BHA and RIH w/ same, P/U kelly and test same 250 low and 5000 high - Install

wear bushing - psi low and 5000 psi high. Test casing to 1500 psi. - Test Pipe and blind rams, choke line and choke manifold valves, kill line valves and Hydril to 250 - Finish N/U BOP and function test same - N/U BOP - waiting on welder. - Cut off casing, install well head with welder, pressure test floor valves to 5000psi while - N/D diverter pipe to install wellhead, prep cellar for welder - displace cement w/ 191 bbls of fresh water. Plug bumped, Floats held and circ 4 bbls cmt to surface - casing with 167 bbls of lead cmt @ 12.5 ppg. Pump 45 bbls of tail cement @ 14.4 ppg. Drop plug and - Finish circ, rig down csg crew, R/U BJ cementers and hold safety meeting with same. Cement 9 5/8" - Function test gas buster, center stack, tighten dresser sleeve on flow line

**Daily Cost:** \$0

**Cumulative Cost:** \$718,067

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**LAMB 12-20-3-1**

**Drill 8 3/4" hole with salt water**

**Date:** 10/13/2011

Pioneer #69 at 4752. 5 Days Since Spud - Lubricate rig (JSA) - Drilling 8 3/4" Hole from 2535' to 3330' at 72.2 fph with 600 Gpm Slide to control Deviation - FIT / (JSA) Shut in BOPE and Perform FIT to 12.0 ppg ( Pumped up to 450 PSI with 8.4 ppg Fluid) - Drilling 8 3/4" Hole from 3330' to 4752 at 118.5 fph with 600 Gpm Slide to control Deviation (JSA)

**Daily Cost:** \$0

**Cumulative Cost:** \$780,177

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**LAMB 12-20-3-1**

**Drill 8 3/4" hole with KCL Mud**

**Date:** 10/14/2011

Pioneer #69 at 6111. 6 Days Since Spud - Drilling 8 3/4" Hole from 4752' to 5542' at 63 fph with 450 Gpm Slide to control Deviation (JSA) - Lubricate rig / Go through #1 Pump (JSA)/ #2 Pump is Down for Repairs to Fluid Moduls - Drilling 8 3/4" Hole from 5542' to 5679' at 55 fph with 450 Gpm Slide to control Deviation (JSA) - Rig Maintenance / Replace Swab on #1 Mud Pump / #2 Pump is Still Down with Repairs. - Drilling 8 3/4" Hole from 5679' to 6111 at 54 fph with 450 Gpm Slide to control Deviation (JSA) Mud - Up System to 8.8 MW and 35 Vis to Control Gasses.

**Daily Cost:** \$0

**Cumulative Cost:** \$815,417

---

**LAMB 12-20-3-1**

**Drill 8 3/4" hole with KCL Mud**

**Date:** 10/15/2011

Pioneer #69 at 7218. 7 Days Since Spud - Lubricate Rig / Change Swabs in Pump (JSA) - from 6280 to 6350 - Increasing MW incrementally to control back ground and Connection Gas. Drilled with 10 foot flare - Drilling 8 3/4" Hole from 6269' to 6965 at 48 fph with 450 Gpm Slide to control Deviation (JSA) - Lubricate rig / Service Draw works and Hoisting assembly (JSA) - Drilling 8 3/4" Hole from 6965 to 7218' at 46 fph with 450 Gpm Slide to control Deviation (JSA) - Drilling 8 3/4" Hole from 6111 to 6269' at 53 fph with 450 Gpm Slide to control Deviation (JSA)

**Daily Cost:** \$0

**Cumulative Cost:** \$852,242

---

**LAMB 12-20-3-1**

**Drill 8 3/4" hole with KCL Mud**

**Date:** 10/16/2011

Pioneer #69 at 8332. 8 Days Since Spud - Flare) (Increase from 10.5 to 10.7 from 8250 to 8300' No flare but high connection Gasses) Sustained - Increasing Mud Weight incrementally to Control Gas, (increase from 9.9 to 10.5 from 7400 to 7560 10' - Drilling 8 3/4" Hole from 7218' to 8356' at 47.5 fph with 450 Gpm Slide to control Deviation (JSA) - Minimal Losses between 7700 and 8050 (+/- 70 BBLs Seepage Losses)



**Daily Cost:** \$0  
**Cumulative Cost:** \$953,994

---

**LAMB 12-20-3-1**

**Drill 8 3/4" hole with KCL Mud**

**Date:** 10/17/2011

Pioneer #69 at 9240. 9 Days Since Spud - Drilling 8 3/4" Hole from 8356' to 8703 at 33 fph with 450 Gpm Slide to control Deviation (JSA) - Lubricate Rig - Drilling 8 3/4" Hole from 8703 to 9240' at 41 fph with 430 Gpm Slide to control Deviation (JSA) - No losses.

**Daily Cost:** \$0

**Cumulative Cost:** \$991,097

---

**LAMB 12-20-3-1**

**TOOH / Short Trip**

**Date:** 10/18/2011

Pioneer #69 at 9550. 10 Days Since Spud - 11.4+ PPG / Check For Flow (NO FLOW) Mix Pill and Fill Trip Tank for Short Trip - Well Flowed 1/2 Bbl / Minute and Did not stop for 10 Minutes, Resume Circulation and Increase MW to - Circulate and Condition / Circulate Hole clean and Increase MW from 10.7 to 11.1ppg Check Flow - Drilling 8 3/4" Hole from 9461 to 9550 at 44.5 fph with 430 Gpm Slide to control Deviation (JSA) - Lubricate Rig / JSA - Drilling 8 3/4" Hole from 9240' to 9461 at 34 fph with 430 Gpm Slide to control Deviation (JSA) - Pull Out of Hole / Using trip Tank and Monitoring Hole fill / Check For Flow every 10 Stands

**Daily Cost:** \$0

**Cumulative Cost:** \$1,025,421

---

**LAMB 12-20-3-1**

**Logging Rigging Up loggers**

**Date:** 10/19/2011

Pioneer #69 at 9550. 11 Days Since Spud - Trip in hole / Wipe through Tight Spot at 5030' / JSA - Lubricate Rig / JSA - Short Trip To top of BHA / (JSA) Pull through Tight Spot at 5030' - Circulate and Condition Mud / (8000 Units gas at Bottoms up) Make sure Well Bore is stable Mix Pill - and BHA Break Kelly. Pull Wear Ring. - Trips / Held Pre Job Safety Meeting With Weatherford TRS laydown Crew/ JSA / Lay down drill pipe - Rig Up Lay down Crew

**Daily Cost:** \$0

**Cumulative Cost:** \$1,110,798

---

**LAMB 12-20-3-1**

**Circulate 5 1/2" Casing**

**Date:** 10/20/2011

Pioneer #69 at 9550. 12 Days Since Spud - Rig up Weatherford casing tools & L/D machine, Pre job safety - Pick up and run 256 full joints of 5 1/2" 20# P-110, LTC casing plus three pup joints two for - Circulate, Rig up BJ cementing equipment - markers and one on Cameron hanger, total pipe run 9,516.09', Fill pipe every 20 joints, no problems - Space out, Land Cameron mandrel hanger in well head - Install BJ cement head - Rig up Halliburton Logger, Pre job safety meeting, pick up Quad combo tools, run in hole tag bottom - at 9560' attempt to log tool failure, POOH change tool and log well, L/D tools & rig down

**Daily Cost:** \$0

**Cumulative Cost:** \$1,419,675

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**LAMB 12-20-3-1**

**Rigging down**

**Date:** 10/21/2011

Pioneer #69 at 9550. 13 Days Since Spud - sack cse-2 +109% fresh water, slurry mix at 12.5 ppg, yield 2.10, water gps 11.37, Follow with 876 - chloride + .65% bwoc fl-62 + .002 gps fp-6l +6% bwoc bentonite +.2% bwoc sodium metasilicate +5 lbs/ - Circulate, Rig up B J

services, Pre job safety meeting - Rig pumped 30 bbls of sealbond spacer mix at 9.5 PPG, swab over to BJ, test lines to 5300 psi - Mix and pumped cement, Lead 550 sacks of premium lite II cement +.6% bwoc R-3+ 3% bwow potassium - sacks Tail 50/50 poz class G + .05 lbs/sack static free +3% bwoc cd-32 + .6% bwoc fl-25 + .002 gps - fp-6l + 2% bwoc benronite + .3% bwoc sodium metasilicate + .2% bwoc ba-59 + 54.5% fresh water - Slurry mix at 14.4 ppg, yield 1.25, water gps 5.49, flush lines drop wiper and Displaced with 210 - bbls of 2% KCL water plug down at 10:10 AM with 3300 psi 600 psi over, Bled back 2 bbls press dropped - to 0, note 15 bbls of sealbond to surface, job complete rig down cementing equipment - Lay down kelly/swivel and all sub so they cold be inspected, Nipple down BOP'S and install night cap - on well, Nipple down choke manifold, strip mud back to 10.3 and hauled to new location, - Clean mud tanks, Released rig at midnight - Casing was landed with 145,000 lb. back out landing joint and installed Cameron Seal Assembly **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$1,582,640

---

**Pertinent Files: Go to File List**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	17400	4301350775	GMBU P-29-8-17	NESE	29	8S	17E	DUCHESNE	4/27/2012	
WELL 1 COMMENTS: DUPLICATE											
B	99999	17400	4301350828	GMBU H-31-8-17	SWNE	31	8S	17E	DUCHESNE	5/7/2012	
DUPLICATE											
B	99999	17400	4301350831	GMBU F-32-8-17	NENE	32	8S	17E	DUCHESNE	5/8/2012	
DUPLICATE											
B	99999	18262	4301350858	LAMB 12-20-3-1W	NWSW	20	3S	1W	DUCHESNE	10/5/2011	11/22/11
GR-WS CONFIDENTIAL 5/21/2012											
A	99999	18544	4301350102	UTE TRIBAL 4-8-4-1	NWNW	8	4S	1W	DUCHESNE	5/9/2012	5/21/2012
GRRV CONFIDENTIAL											

ACTION CODES (See instructions on back of form)

- A - 1 new entity for new well (single well only)
- B - 1 well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - ther (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

MAY 17 2012

Div. of Oil, Gas & Mining

*Tabitha Timothy*  
Signature

Tabitha Timothy

Production Clerk

05/17/12

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: Patented
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LAMB #12-20-3-1W	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013508580000	
3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000, Denver, CO, 80202	PHONE NUMBER: 303 382-4443 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1689 FSL 0480 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 20 Township: 03.0S Range: 01.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

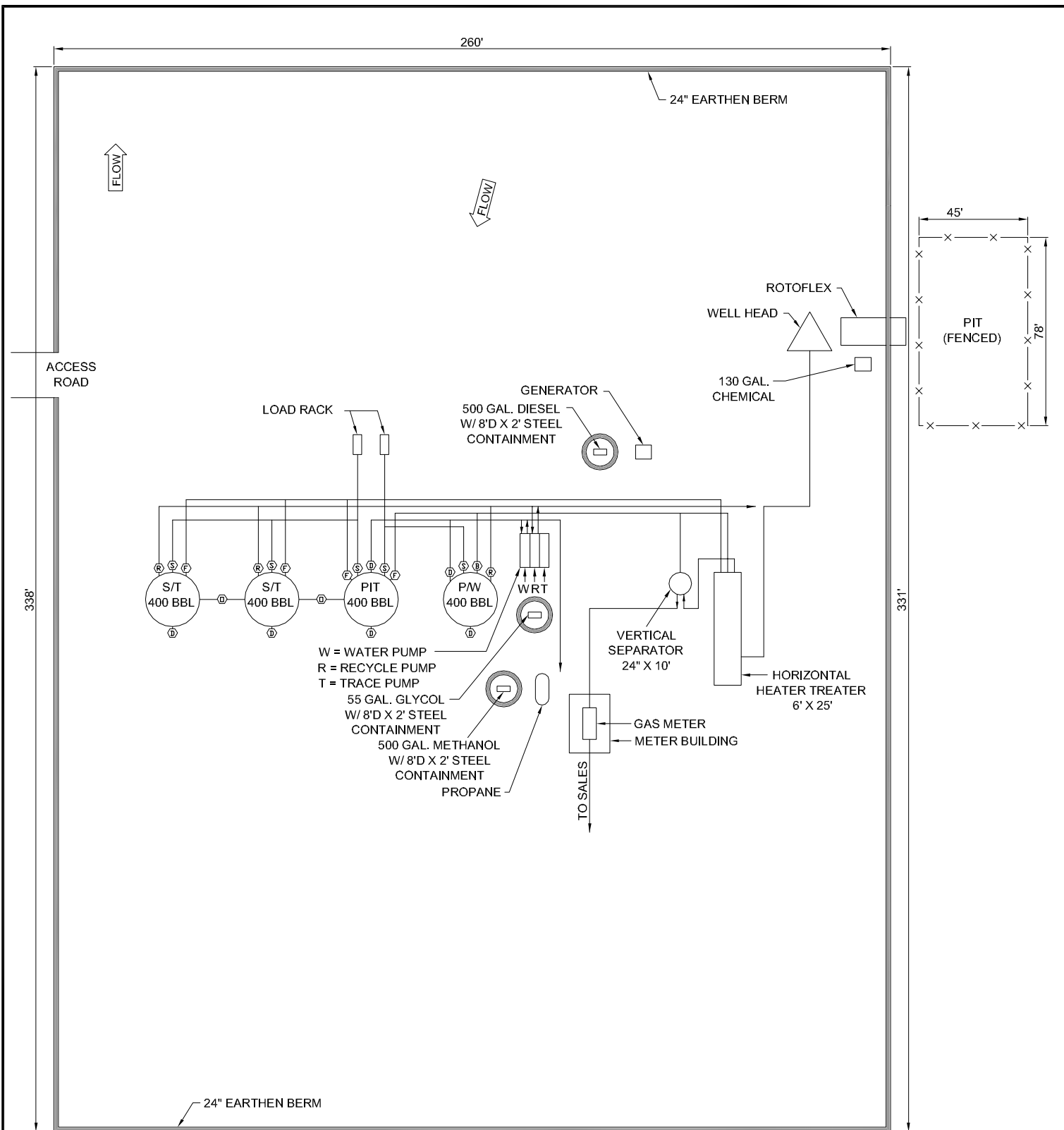
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <span style="border: 1px solid black; padding: 2px;">Site Facility/Site Security</span>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/1/2012			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.



SEE ATTACHED REVISED SITE FACILITY DIAGRAM

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 August 27, 2012

NAME (PLEASE PRINT) Jill L Loyle	PHONE NUMBER 303 383-4135	TITLE Regulatory Technician
SIGNATURE N/A		DATE 8/13/2012



UTU87538X

POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION				Valve Type				Federal Lease #: UTU 87538 X (FEE) API #: 4301350858  This lease is subject to the Site Security Plan for: Newfield Exploration Company 19 East Pine Street Pinedale, WY 82941						LAMB 12-20-3-1W			
Valve	Line Purpose	Position	Seal Installed	D - Drain Valve	F - Flow Valve	O - Overflow	V - Vent							Newfield Exploration Company NWSW Sec 20, T3S, R1W Duchesne County, UT			
D	Drain	Closed	Yes	R - Recycle	B - Blow Down	S - Sales Valve											
F	Oil, Gas, Water	Open	No														
O	Overflow	Open/Closed	No														
V	Vent	Open	No														
R	Recycle	Closed	Yes														
B	Blowdown	Open/Closed	No														
S	Sales	Closed	Yes														
POSITION OF VALVES AND USE OF SEALS DURING SALES				POSITION OF VALVES AND USE OF SEALS DURING WATER DRAIN				M.G.		MAR 2012		  Note: This drawing represents approximate sizes and distances. Underground pipeline locations are also approximated.					
Valve	Line Purpose	Position	Seal Installed	Valve	Line Purpose	Position	Seal Installed										
D	Drain	Closed	Yes	D	Drain	Open	No										
F	Oil, Gas, Water	Closed	Yes	F	Oil, Gas, Water	Closed	No										
O	Overflow	Closed	Yes	O	Overflow	Closed	No										
V	Vent	Open	No	V	Vent	Open	No										
R	Recycle	Closed	Yes	R	Recycle	Closed	Yes										
B	Blowdown	Closed	No	B	Blowdown	Closed	No										
S	Sales	Open	No	S	Sales	Closed	Yes										

Note: This drawing represents approximate sizes and distances. Underground pipeline locations are also approximated.

RECEIVED: Aug. 13, 2012



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Patented
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1001 17th Street, Suite 2000 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> LAMB #12-20-3-1W
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1689 FSL 0480 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 20 Township: 03.0S Range: 01.0W Meridian: U		<b>9. API NUMBER:</b> 43013508580000
<b>PHONE NUMBER:</b> 303 382-4443 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <div style="border: 1px solid black; padding: 2px; display: inline-block;">9/7/2012</div>  <input type="checkbox"/> SPUD REPORT Date of Spud:
<input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> OTHER			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
  

SEE ATTACHED REVISED SITE FACILITY DIAGRAM

Accepted by the  
Utah Division of  
Oil, Gas and Mining

FOR RECORD ONLY

February 14, 2013

<b>NAME (PLEASE PRINT)</b> Jill L Loyle	<b>PHONE NUMBER</b> 303 383-4135	<b>TITLE</b> Regulatory Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/25/2013	

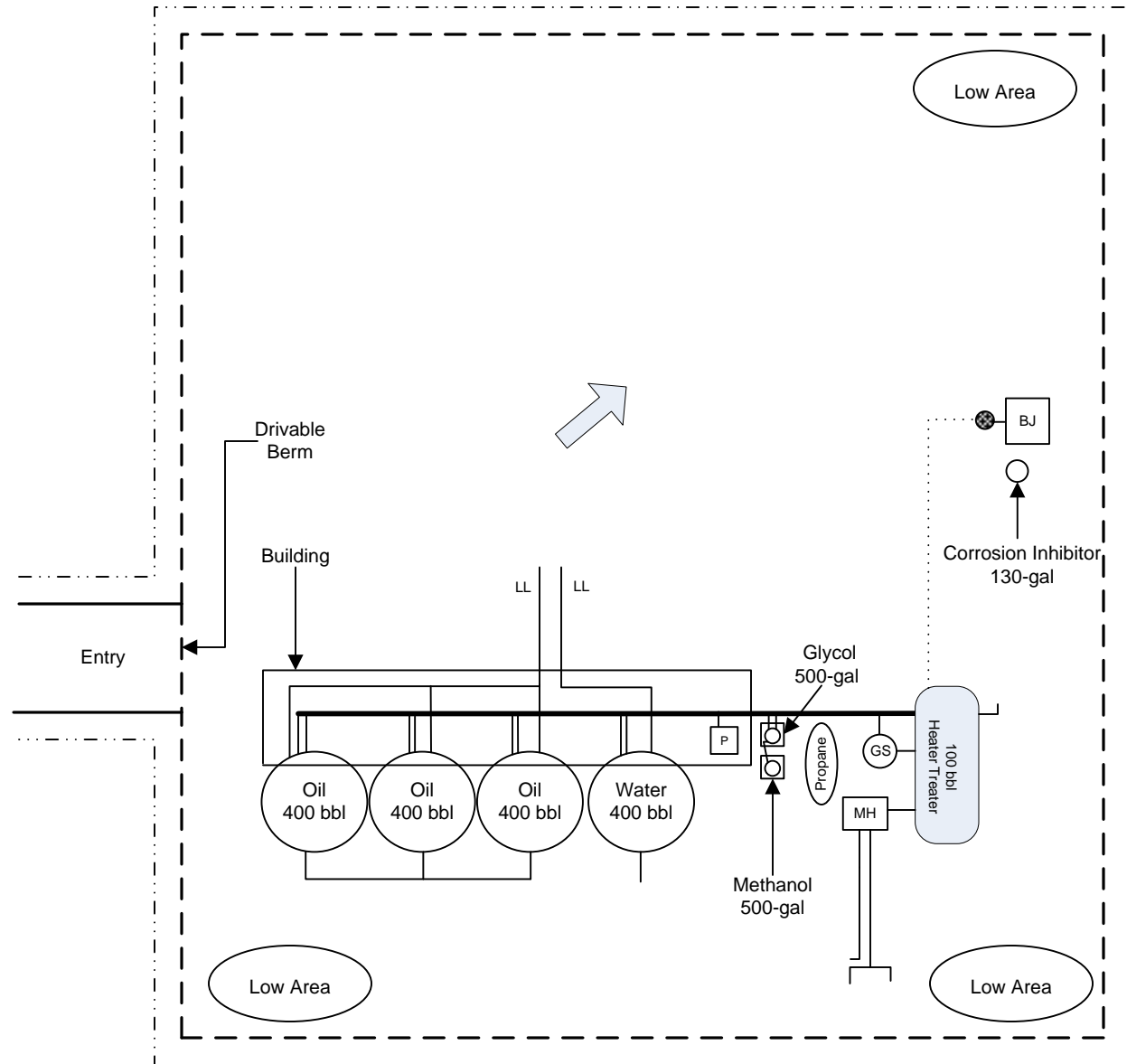
**NEWFIELD PRODUCTION COMPANY**

LAMB 12-20-3-1W  
SEC. 20 T3S R1W  
DUCHESE COUNTY, UTAH



**LEGEND**

- FENCE
- - - BERM
- ABOVEGROUND PIPING
- ... UNDERGROUND PIPING (LOCATION APPROXIMATE)
- MH METER HOUSE
- DIRECTION OF FLOW
- bbl BARREL(S)
- LL LOAD LINE
- WELL HEAD
- BJ BELT JACK
- P PUMP
- GS GAS SCRUBBER
- PIPING CONDUIT



ALL UNDERGROUND PIPING IS FOR  
PROCESS FLOW DEMONSTRATION ONLY

